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March/April 1980

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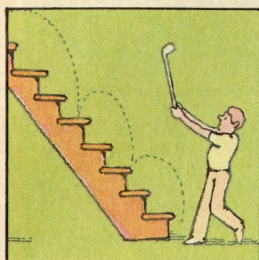
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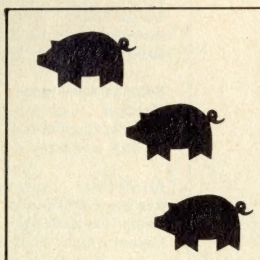
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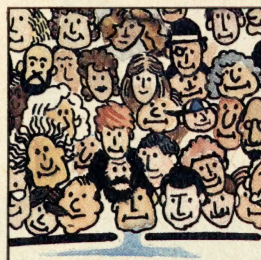




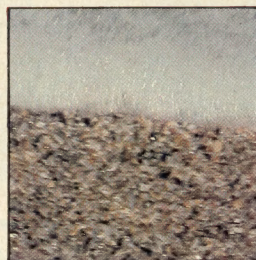
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**NEW!**  
**Find the Fake  
Ad**

**Discover  
the Hidden  
Contest**

page??

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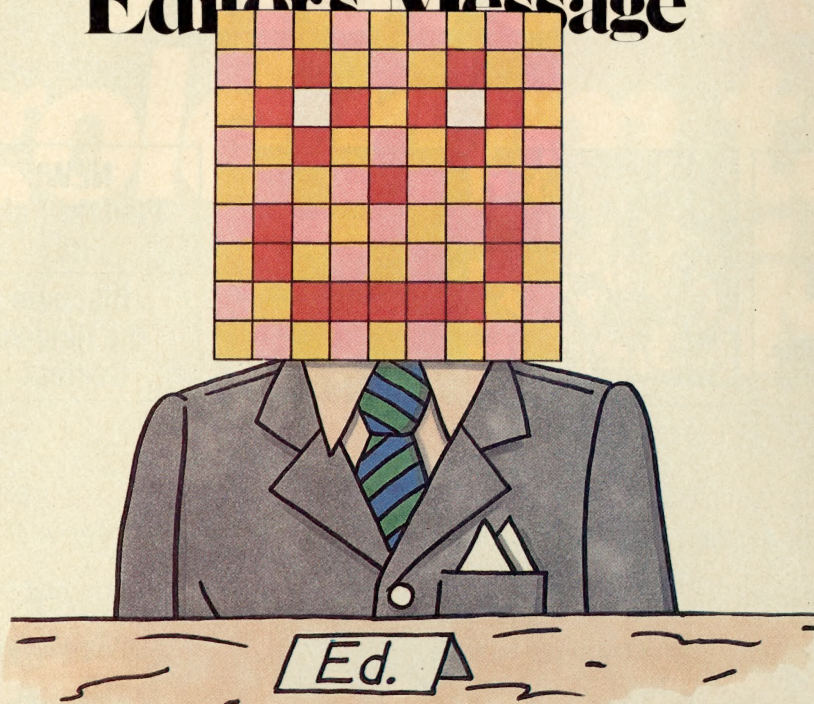
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**Difficulty Rating:**    **Smooth Sailing:** ★    **Uphill Climb:** ★★    **Proceed at Your Own Risk!** ★★★    **Mixed Bag:** ★☆☆

**Cover Designs:** Lillian Nahmias; Guy Fery, Floating Sky, Inc.



# Editor's Message



## Let's Get Serious About April Fools

Of all holidays, even including Groundhog Day, April Fools suits us fine. Yet we cannot think clearly of any event that is taken so lightly. It is a crying shame to make a laughingstock out of so ambivalent an occasion.

We at *Games* are now preparing to mobilize our forces and take some positive action. Yes, you guessed it, we *too* are going to raise your consciousnesses, brothers and sisters, your poor, battered consciousnesses. Our aim, and our means, will be to fool you, but we at least are telling you so in advance. So stay on your toes and watch out for fools.

Have you ever read Erasmus's *In Praise of Folly*? Well, we haven't either, but if we had, we would no doubt quote from it at length in this connection. In any event, it's a promising title, wouldn't you say? And we *have* read the title. So we quote from the title.

On a less serious note, we feel that just fooling around must have its place in a magazine like *Games* and in a world growing seriouiser by the minute. Not that everything boils down to a lark. Far from it. But if we don't put the Fools back in April Fools' Day, who will?

Things to be watching out for: The front cover should be fair warning to you to be on your toes while you play out this issue. There are three more surprises to look for. One of them is an unannounced contest. Half the challenge is to find it in the magazine; the other half is figuring out what to do with it once you've got it. The second surprise is a series of puzzles (again, no telling where they are) with a rather droll sequence of answers. When you've found it, you'll know it. And, finally, carefully hidden but in full view is a fake advertisement from a fictitious sponsor. Here the question is: "Will you be able to recognize our handiwork when you see it?" The fourth surprise is that one of the pages squirts water at you.

If, as is probable, you are reading this around Groundhog Day and you find the April Fools bit somewhat impertinent under four feet of snow, take solace in the fact that some fool had to write it around Halloween. But then, April Fools do work best when you least expect them.

*Michael Donner*

Michael Donner

# GAMES

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# LETTERS

## Precocious or Preposterous?

I found Martin Gardner's "Desk Calendar" puzzle ("Mathematical Carnival," September/October, page 16) very intriguing, so after solving it, I made a set of the calendar cubes. I didn't have a stand for the cubes and therefore couldn't use them for a calendar, so I gave them to my two-year-old son.

It was very quiet in his room for about fifteen minutes. I investigated and found that he had taken three of his lower-case alphabet blocks, placed them under the two number blocks I had given him, making a calendar that could display not only all the days of the month but also all the months of the year (using standard three-letter abbreviations such as Jan, Feb, Mar, and so forth).

Can you figure out what letters were on the three blocks?

Maj. F. P. "Buzz" Brake  
APO New York

Answer Drawer, page 71

## Chain War Enters New Phase

I was delighted to see the "open challenge" you announced in your Letters column (November/December, page 6). Henry Hook bested my name chain with a chain of 13 persons. I hereby take up the gauntlet:

Minnie Pearl Buck Henry James Earl Ray Charles Rich Little Eva Marie Saint Lawrence Olivier Newton John Wayne Duke of Earl Stanley Gardner Murphy's Lawrence Olivier Newton John Thomas Wolf-man Jack 'n' Jill St. John Henry James Dean Martin Luther King Richard Benjamin Franklin Roosevelt Greer Garson Kanin.

Even if you dock me for a couple of borderline transitions I still claim a good 30+ names. Those who accuse me of playing loose with the rules should suffer the wrath of Elijah Muhammad Ali Baba Wawa.

Scot Morris  
New York, NY

## Vintage Wine or Sour Grapes?

I've thoroughly enjoyed *Games*, especially the historically oriented features in recent issues, like "The Private Games of Lewis Carroll" (July/August, page 14).

Now my hat's off to you again: Nora Ephron's article on the origins of the double-crostic ("Appreciating Double Crostics," November/December, page 37) is a real classic.

E. Darlene Lister  
Long Beach, CA

I couldn't disagree more with Nora Ephron's unkind comments on Thomas Middleton's double-crostics. I love them for their difficulty and unpredictability. Ms. Ephron's opinion

was best described long ago by Aesop—in the fable about sour grapes.

Sally Bright  
Muskogee, OK

## Time Flies!

Here's an interesting footnote on "The Price is Right" (November/December, page 29). Question #7 refers to the 48-hour coast-to-coast service that Transcontinental Air Transport used to provide. Although this air-train service, as well as the Pennsylvania Railroad which originated it, is unquestionably defunct, TAT lives on. It's better known these days as T.W.A., and still flies coast-to-coast, though a bit swifter than in days of yore.

Zenon Wojak  
Cranbury, NJ

## A Riper Pair?

"Pare a Pair of Pears" (Pencilwise, November/December, page 72) was a real treat. I agree that a chorale sung in a corral is a fine answer to number nine. But as the human mind is ever devious, I have come up with another solution: wouldn't a *nay* sung in a *neigh* also be called a horse opera?

E. S. Washburn  
Plattsburgh, NY

## Quips and Queries on Eye-Q

You may quibble about the following "q's" that I added to my quota in your "Eye Q Test," but: How about the quaking grass near the quarry; or the quarter staff which Don Quixote wields; and while I'm at it, is the quartet playing a quarter tone?

Pat Schmitt  
Bellwood, PA

I've minded my P's and Q's with regard to your fine "Eye Q Test" (January/February, page 16). According to my almanac, Elizabeth II is more than a queen. Born in 1926, she is 54 this year, which makes her qualify for yet another "q": she's a quinquagenarian!

Alan Frank  
Providence, RI

## Paddling Around

It was great to see "Three-Player Ping-Pong" in November/December Wild Cards (page 52). In my family, we've been playing it for several years now—sometimes using as many as four or five players, too!

Another Ping-Pong variation we've developed is doubles with only one paddle per side. Not only do players have to alternate shots,

but they must also exchange the paddle between shots. It's confusing at first, but always good for lots of laughs.

Mike Sackett  
Madison, WI

## Aw, Shucks

A magazine expert named Ames Predicted—or so he now claims—That your venture was liable To become Fun's new bible: "Diversion (bi-monthly) St. Games."

It certainly has for me and my 14-year-old son. Many thanks for all the enjoyment you've provided to date and for that which we anticipate. But keep up the bad work, too. Finding and correcting your errors has become a kind of game itself, as many readers and writers have shown.

Hovey Larrison  
Syracuse, NY

# LAUNDRY BASKET

*The rules of the game—it is a game, isn't it?—are: If a reader finds a mistake that affects the play of a game, or a significant error of fact, and we agree the slip needs to be laundered, we'll publish the first or most entertaining letter that points it out. If we publish your letter in the Laundry Basket, we'll thank you with a Games T-shirt.*

## Mistakes: November/December

★ You've stumped me again, but this time it was illegal: you used the term "judoist" in "Blacklist" (page 45), when the correct term is "judoka." I am a martial artist myself and didn't relate judoist to judo until I peeked into the Answer Drawer.

Ben Balser  
Metairie, LA

★ After taking the "Science Games 101: Final Exam" (page 46), I must protest your answer to question 2. While I could argue that a well-lit star-shaped settlement on the moon that is visible from earth during a lunar eclipse "could occur" sometime in the future, I won't. However, I do think lunar eclipses, which could easily account for the crescent shape in figure C, are common enough to be included in the solutions.

David B. Woerner  
Sunnyvale, CA



★ In reference to question 3 of "Science Games": There are two conditions for the stability of a dam—external and internal. External stability analysis assumes internal stability. No beaver dam, however, is strong enough internally to transmit any significant force to its banks; parts of it would give way under sufficient force, but each vertical element is able to act on its own without help from the elements on each side. Thus, the correct answer to the question is that it makes no particular difference how the dam is shaped. All three dams are equally strong, everything else being equal. Beavers seem to know this and build their dams in the most direct way possible: straight across.

W. M. Woods  
Oak Ridge, TN

## EVENTS

*Before making plans to attend any of the events listed below, write to verify dates, times, places, eligibility, entry fees, etc. Send a stamped, self-addressed envelope with your request. Sponsors: please send information at least five months prior to your event to Games Magazine, 515 Madison Ave., New York, NY 10022.*

**Bridge** Spring National Championships, to be held at the Convention Center in Fresno, California, March 14–23. Competitions for players at all levels. Contact: Mrs. Jean Wright, American Contract Bridge League, 2200 Democrat Rd., Memphis, TN 38116.

**Chess** The 10th Annual Lewis Statham International Chess Tournament, March 16–26 in Lone Pine, California. The winners of this top-flight invitational Swiss System tournament will share \$50,000 in prize money. Contact: Isaac Kashdan, 2231 Overland Ave., Los Angeles, CA 90064.

**Cribbage** The Midwest Masters' Classic is tentatively scheduled for the third weekend in April in Madison, Wisconsin. Entry is open. Contact: Joe Wergin, American Cribbage Congress, Box 5584, Madison, WI 53705.

**Crosswords** A weekend of contests and discussions with past and present *New York Times* crossword editors Will Weng and Eugene Maleska, February 29–March 2, at Grossinger's Resort, in Grossinger, New York 12734. For information/reservations, phone toll-free (800)–431–6300; (914)–292–5000 in New York state.

**Kite Flying** The Ocean Beach Kite Festival in San Diego on March 8 will feature a kite parade and a variety of contests. Contact: Paul Smith, Ocean Beach Recreation Center, 4726 Santa Monica Ave., San Diego, CA 92107.

**Shogi** The 2nd International London Shogi Tournament, at the Charing Cross Hotel in London, England, April 12–13. There will be competition at many levels and demonstrations by Japanese professionals. Contact: The Shogi Association, P.O. Box 77, Bromley, Kent, United Kingdom.




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# GAMEBITS

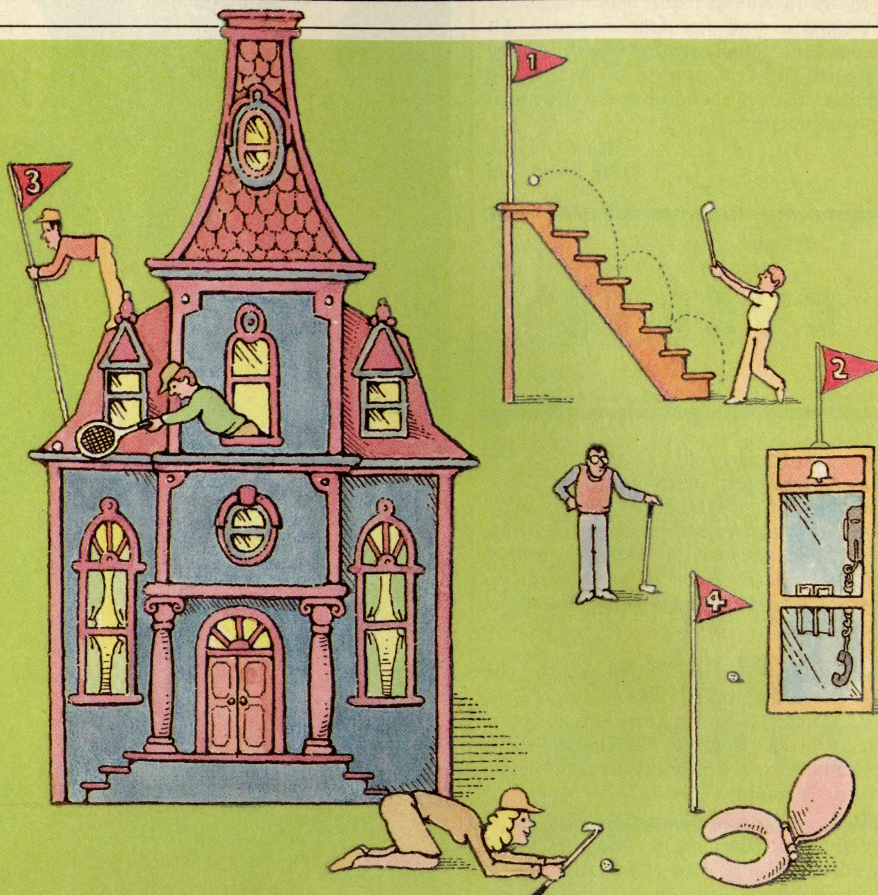
## DIFFERENT STROKES

Ever heard of a golfer teeing off from a coconut? Or putting into a toilet seat? At the Ceres Street Open, that's par for the course.

Recently, the town of Portsmouth, New Hampshire, hosted the world's most unusual golf tournament as a charity fund-raiser. Armed with only two irons, a putter, and a tennis racquet (for those tricky lies), 51 contestants, including professional golfer Jane Blalock, swatted plastic balls down brick alleyways, waterfront streets, and parking lots—certainly the strangest fairways this side of Pebble Beach. A restaurant lobby served as a "green," and balls had to be stroked into phone booths and garbage bins. One hole was played through an historic colonial house, and another down an outdoor stairway.

After nine hotly contested holes, a three-way tie necessitated a sudden-death playoff. The winner, finally, was Ben Williams, who sank the decisive putt into a drinking glass. You could almost hear them turning in their graves in Scotland.

—Holly Young

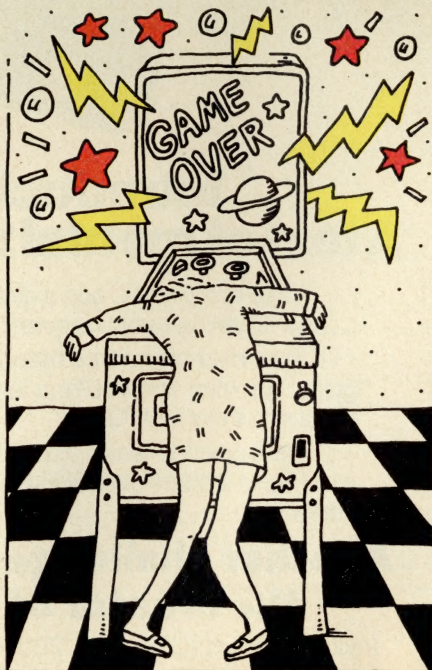


## PINBALL WIZARD

They said, of course, that it couldn't be done. And *then* they said: Why bother? But no amount of flip criticism could deter Mandi Martin. Last November, the Los Angeles-based singer-songwriter more than doubled the previous world record for continuous pinball playing. Fortified by a "no sugar and no red meat diet," she played her Bally "Kiss" model for 505 hours in 22 days. (That's approximately 3,500 complete games.)

Allowed by Guinness rules only five minutes rest for each hour, Mandi suffered from sleepwalking, swollen ankles, and occasional fits of depression. At the end, though, she was elated—if not entirely lucid. "How do you feel?" asked a reporter during the penultimate hour. She placed the startled reporter's hand on her arm and said, happily, "Feel for yourself."

—A.M.



## BROBDINGNAGIAN BOARD GAMES

If you think bigger is better or want to decorate a room in Early Checkers, Stuart Calle is your man. Calle custom builds traditional board games as large as you want them. His masterpiece is a forty-foot by fifty-foot backgammon board that was laid out over an indoor basketball court. Calle's most Lilliputian endeavor is a three-foot by four-foot backgammon set, which goes for \$40. This brightly painted artboard set is finished with polyurethane, so you can play outdoors in rain, sleet, and snow (and you may have to, depending on the size of your front door). The pieces (three inches thick) and dice (each a cubic foot) are made of foam rubber. For more information, write Stuart Calle, The Pop Art Stable, 132 Round Hill Rd., Greenwich, CT 06830.

—P. M. W.



## THE THRILL OF VICTORY, THE AGONY OF DEFEAT

The second World Class Crossword Marathon drew 100 competitors to the Hemming-Hulburt bookstore in Cleveland last October, and among them was *Games* Associate Editor Will Shortz. Although the bookstore's 30,000 titles were available to competitors, Shortz didn't take any chances—he flew to Cleveland with his own copies of *Rodale's Synonym Finder*, *Funk & Wagnall's Word Finder*, and *Webster's Third* (Unabridged). All three books proved useful in solving the marathon puzzle by Jordan Lasher. At 5:30 Saturday morning, nine and a half hours after the competition began, Shortz completed what turned out to be the winning entry. At 5:45 he was sound asleep. (You too can take a crack at this puzzle by sending a self-addressed stamped envelope to "Crossword," Hemming-Hulburt, 24055 Chagrin Blvd., Beechwood, OH 22122.)

Traveling considerably farther than Cleveland, Jonathan Cerf went to Rome as U.S. Othello champion, and came in second in international competition to Japan's Hiroshi Inoue. Cerf gave *Games* part of the credit for his presence in Rome: "If you hadn't assigned me the article on last year's tournament," he said in reference to the story in our May/June 1979 issue, "I would never have known about the Othello competition." Cerf also had encouraging words for American players: the Japanese are still by far the best, but they're not hopelessly better. As for Pope John Paul II's much-publicized enthusiasm for Othello, he is reported to have said to one national champ who challenged him in Rome, "You know, I have help."

Rounding out the fall season, Dana Terman donned his tuxedo and again won the U.S. Monopoly title. The scene was the Palace Restaurant in New York, where Terman's uncanny resemblance to the wine steward caused our reporter to interview the wrong party. After the *Ballotine de faisan* and the *Noix de veau aux épinards*, Terman polished off four U.S. regional winners in less than two hours, reducing 10-year-old East Coast champ Angelo Repole to tears in the final denouement on Park Place. Repole, everybody's favorite, no doubt regretted having offered a piece of bubble gum to Terman during pre-match civilities.

—R.S./M.D.

fast-food



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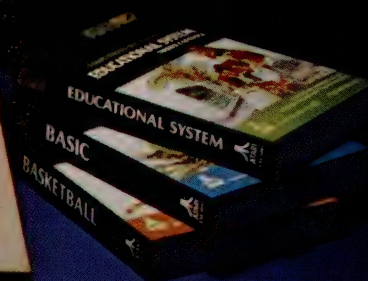
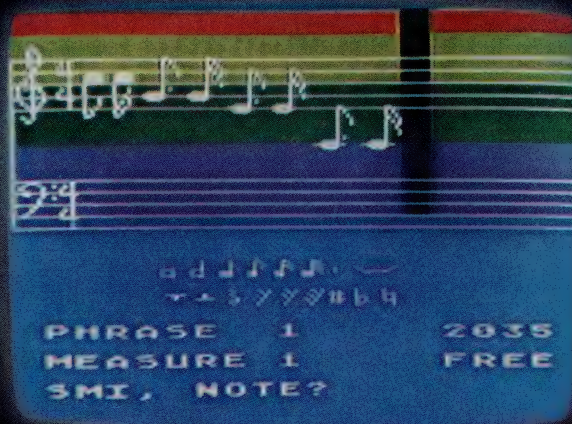


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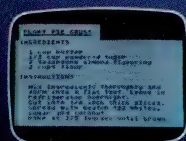
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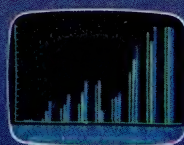
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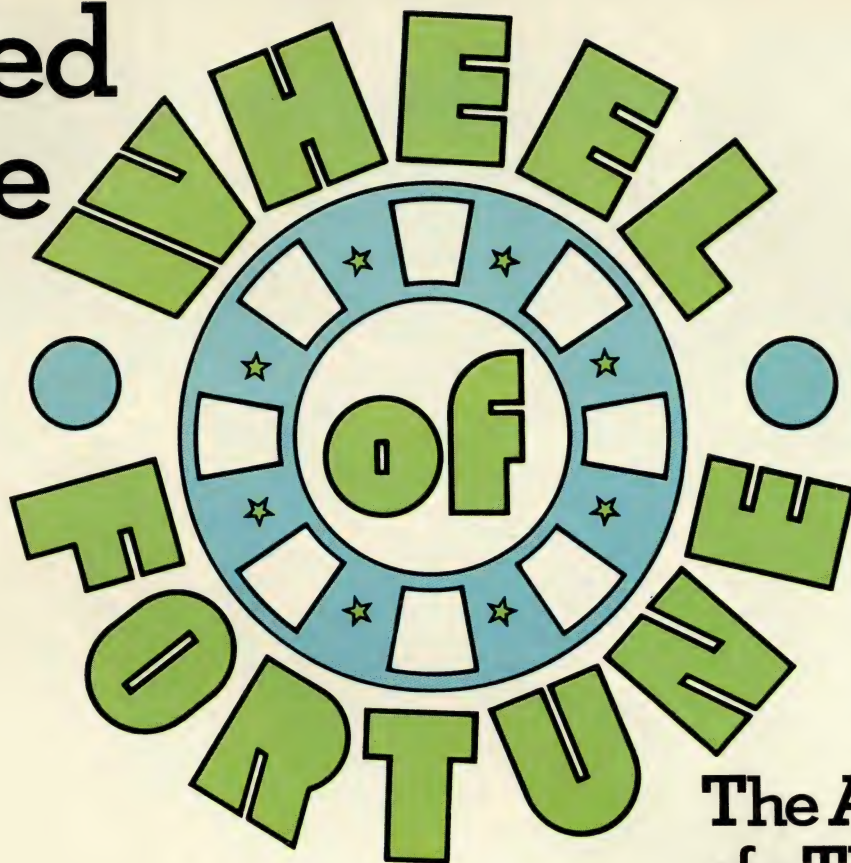


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# Nailed to the



## The Anatomy of a TV Game Show

by Roger Dionne

**K**risty McNichol is a TV moppet, an underaged actress I'd never heard of until she conspired to beat me last May 31. Now I see her constantly, swinging through the ill-formed spaces of my mind shouting in a mocking, harpy's voice, "Olly olly oxen free. . . . Olly olly oxen free." What's that supposed to mean? Back in the civilized East where I grew up, Cristy is spelled with a C and we shouted "Ally ally in come free" when we played hide-and-seek. With such capricious changes in our language, how could I possibly retire as undefeated champion?

I'm not a game show nut. Duty drives me to my typewriter at 9 or 9:30 or 10. However, should I wander near my television set at 10:30 when *Wheel of Fortune* is aired in Los Angeles, I lose control. Somehow my hand has flicked the knob, my legs have buckled, and I'm hooked until 11. Even now. Even after my bout with Kristy McNichol.

Unlike *Card Sharks*, which is almost entirely luck, or the late, lamented *Jeopardy*, which was almost entirely

skill, *Wheel of Fortune* is a clever mix of luck and skill. It is essentially a variant of the old game of Hangman. You need language skill in figuring out the puzzle, and you need gambling skill in deciding how big a pot to continue risking before announcing the solution. While blank letter spaces appear on a board, host Chuck Woolery tells the three contestants they are looking for the name of a person or a title or something in any one of a dozen other categories. At his turn a contestant selects consonants (for free), or buys vowels (for \$250 apiece), until he guesses an incorrect letter and loses his turn or is ready to solve the puzzle.

Before each consonant selection, the contestant spins the "wheel of fortune" built into the studio floor. The wheel has 24 spaces. Twenty-one of them have dollar values, varying from a high of \$500 in the first game of each half-hour broadcast to a high of \$1,500 in the third and generally final game of the broadcast. In the first game the other three spaces are "Free Spin," "Lose a Turn," and "Bankrupt," while in subsequent games, a second "Bankrupt" replaces the "Free Spin." The player is

thus an 11 to 1 favorite to spin well in the first game, but with that second "Bankrupt," he is only a 7 to 1 favorite. Gambling skill comes into play when the contestant knows the answer to the puzzle but continues spinning and guessing letters in order to build up his winnings. Clearly he should know enough about pot odds not to lay \$3,000 in the first game in order to spin again when his average return is only \$250. He is laying 12 to 1 on an 11 to 1 shot. After solving the puzzle, the contestant chooses prizes according to the amount of money he has won, and whoever wins the most on one show returns to the next. Anyone who wins three consecutive shows is retired as champion.

### The Audition

One day last spring I telephoned *Wheel of Fortune* to see how I might get on the show. A bubbly, enthusiastic voice at the other end told me to come to the test session scheduled later in the week. That's all there was to it. I later learned all game shows are constantly in need of contestants—20,000 of them a year in fact. N.B.C. and C.B.S. allow a

Roger Dionne is a freelance writer whose work has appeared in *Playboy*, *Sports Illustrated*, *The Los Angeles Times*, and many other publications.





contestant only three appearances in a lifetime, while A.B.C. allows only three within a five-year period. Since most of the shows are produced in Hollywood, they look particularly for contestants from other parts of the country under the assumption that viewers tire of the usual run of homemakers from West Covina and teachers from Encino. So when game shows flash an address to which you can write about being a contestant, they really mean it. The whole family can apply.

At the appointed hour I took my place in the queue of about 30 people outside Merv Griffin Productions near the corner of Sunset and Vine in Hollywood. A chic receptionist ushered us through a side door, up a flight of stairs, and into a perfect replica of a small, WPA-era high school classroom. In bounced contestant coordinator Lori Miller, bubbly and enthusiastic, wearing a red dress wrapped around her well-endowed body as precariously as a beach towel.

"Enthuuuusiasm!" Lori said. "Be yourselves, but show you're *alive*. No one wants to watch a bunch of deadheads. They want to see you having fun, right?"

Thirty lusty "Right!"s roared out in chorus. I had visions of Monty Hall's *Let's Make a Deal*. What, I asked myself, am I doing here?

"We look for people who can play the game well and show excitement and enthusiasm," Dave Williger, the associate producer of *Wheel of Fortune*, told me later. "We do try to keep a balance between age, sex, geography, and so forth, and we like struggling-law-student types—they have great audience appeal—but those things are secondary. Enthusiasm and being able to play the game—that's what we want."

First, though, there was the written test to get through—15 puzzles similar to those used on the show. The dozen-odd people who flunked were excused, and the rest of us played a few practice games. Lots of enthusiasm, hand clapping, rooting for those big numbers

on the little wheel in front of the classroom. I felt like I was in kindergarten again.

To my surprise, a postcard summoned me to a "Call-Back Interview," and when I discovered I was one of only three men in a roomful of women, I knew I had an edge. The selection process continued—more game playing, a little personality probe ("I'm the mother of three, a homemaker from West Covina"), and lots of enthusiasm. Next day the final, bubbly phone call: "You've been *chosen!*"—like the Creator touching Adam's finger in Michelangelo's painting. A week later I was driving through the Cahuenga Pass to the N.B.C. studios in Burbank, where *Wheel of Fortune* is taped.

### Behind the Glittering Facade

As instructed, I had Social Security identification with me. Every penny's worth of prize winnings is taxable, and every game show makes a strict accounting to the government. "If you're a big winner, get a good accountant," someone advised me.

As further instructed, I had two changes of clothes in case I happened to be a winner. Hosts like Chuck Woolery, not to mention the celebrity guests on other shows who generally work at scale (currently \$750 a day), do not return to the studios each day for a half-hour's taping. Rather, four or five shows are taped in one session, and only everyone's quick change of clothes in the 15 to 20 minutes between tapings gives the impression out there in televisionland of 24 hours' passage.

Though they give away all those prizes and all that money, game shows are in fact the cheapest of all national television fare to produce. There are no scripts to buy, many of the "actors" come free, and the glittering sets remain the same from one show to the next. The entire cost of a day's production of *Wheel of Fortune*, including the cost of the prizes and everyone's salary, is

\$50,000 for four shows. That's typical of game shows in general, and it breaks down to only \$12,500 per show—not much more than what the scriptwriter alone would receive for a half-hour segment in a prime-time series.

The earning power of such low-budget shows is tremendous. Advertisers pay \$8,000 for a 30-second commercial on *Wheel of Fortune*, and there are six minutes of commercials per show. That's \$96,000 worth of commercials or a hefty \$384,000 for one day's taping, which, given the \$50,000 budget, represents a pretty sizable profit-margin.

Entering the N.B.C. parking lot in Burbank, I wondered whether I'd get on the air at all. For the producers invite a few more players to the studio than they will actually use in order to guard against any unforeseen events that might leave them short. Contestants for each show are chosen at random, and the two or three who don't make it are invited back to the next taping session. Eventually, they do get their chance.

While at N.B.C. we contestants were under the hawk eyes of Vicki Maier, a dusky blonde contestant coordinator who could have been an extra in a foreign-intrigue film. She blocked a couple of contestants from making phone calls. She followed me closely when I wandered through a door to find some coffee. She grabbed a female contestant who was innocently trying to kiss handsome Chuck Woolery during the lunch break. In a word, she made sure there was absolutely no contact between the contestants and the outside world. We couldn't even *look* at friends and relatives in the studio audience.

Though penny-ante giveaways like Groucho Marx's *You Bet Your Life* began innocently enough during the infancy of television, the networks remember the big-money days of the late fifties and in particular the infamous Quiz Show Scandal of 1958 when it was revealed that many of the supposed geniuses bravely sweating it out in isolation booths on programs like



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*Twenty One* had in fact been carefully rehearsed and given the answers in advance to the recondite questions they were asked. As a result of the scandal, the federal government instituted stiff penalties for rigging game shows, and now, more than 20 years later, the networks continue to do everything in their power to insure their honesty. The substitution of the term "game show" for "quiz show" is in itself a reaction to the 1958 scandal though, given the format of most of today's fare, *game show* is the more appropriate term. Producers feel viewers are no longer in awe of superbrains answering tough questions—witness the demise of *Jeopardy*; rather, viewers seem to like watching ordinary folks like themselves having fun right there on national television with the stars.

## The Acid Test

I got my chance to have fun on *Wheel of Fortune* on the third show of the day. First, the three contestants were guided past the prize platforms to inspect the goods. Most people think these prizes are donated by their manufacturers for publicity purposes. This is not the case. The show's producers buy all the prizes, albeit at a modest promotional discount. Our guide then positioned us by the big wheel, recorded music came up, announcer Charlie O'Donnell boomed out the intro, and we were on.

At home, relaxed, I'm a whiz at *Wheel of Fortune*, beating the thick-headed contestants to the answer regularly. Under the gun myself, I was the most thick-headed of all. The puzzles became bizarre curiosities in an exotic language like Urdu. When I watched myself during the broadcast four weeks later, I didn't see excitement and enthusiasm; I saw only tension and pain.

But I was very lucky. In both the first and the second game, Joan Bonawitz, the sharp returning champion whose turn preceded mine, had figured out the puzzle when she hit "Bankrupt," thus

leaving it to me to solve what had already been pretty well spelled out:  
P \_ \_ M P E R N \_ \_ C \_ \_ E \_ \_  
\_ \_ R E \_ \_ D \_ \_ in the first instance  
and \_ \_ \_ \_ \_ \_ \_ \_ \_ \_  
\_ \_ O \_ \_ \_ \_ I S \_ \_ E T T E R  
T \_ \_ \_ N \_ \_ N O N E \_ \_ in the second.

(Answer Drawer, page 69)

The returning champion managed to solve the third puzzle without mishap for \$3,050 in prizes. Nevertheless, I finished winner for the day by a slim \$300 margin. I had always enjoyed watching *Wheel of Fortune* because of the skill and strategy needed in the game, yet when I myself was a contestant, I won purely because I was lucky.

After quickly changing my clothes and getting some attention from Make-up, I won—this time a little more deservedly—on my second broadcast too. But since it was the last show being taped that day, I had to wait until May 31, two and a half weeks later, to see if I'd win three in a row and retire as champion.

"What do you think your chances are?" one of the new contestants asked me on the 31st.

"I wouldn't bet against me," I said.

But I hadn't anticipated the moppet, the avenging angel. The first puzzle, a person, was not someone sensible like Mike Nichols or Christopher Wren. It was Kristy McNichol, and I'd never heard of her. The second puzzle, a quotation, was not something from Shakespeare or Alexander Pope or Ezra Pound that any dolt might know. It was "Olly olly oxen free," and I'd never heard it. I was lost, befuddled. When the third puzzle came round to me reading B \_ \_ C K T \_ \_ T H E S \_ \_ \_ T \_ \_ I N E S I should have solved it instantly for \$1,500. But I didn't know it! Drunk with confusion spiced with anger, I guessed a W, thinking the last word might be "wines."

Thus does the wheel of fortune turn. After my luck on the first show, it was only just I should be unlucky, uninformed, utterly unhinged now. I had, after all, already won a \$2,000 pool table for which I have no room in my home, water skis I haven't yet removed from the box, trips to Lake Tahoe and Atlantic City I have no time to take, a \$250 limited edition of wildlife prints I've glanced at once, and much, much more "fabulous merchandise," as announcer Charlie O'Donnell calls it at the top of the show—\$6,350 worth in all, which will certainly delight Uncle Sam more than me come tax time. Oh, and I also won a poker set. I'll have to invite some of the boys over, work on those pot odds, and hope for a few winning nights before April 15. It's either that or back to the salt mines. □

# You're ☆ the Contestant

When I was on the show, my mind turned into tapioca pudding. With "An Event" as the category, for example, and the puzzle reading \_ \_ \_ R L E S \_ \_ \_ E S H O W, I needed a U before realizing the answer was "Burlesque Show." However, watching at home without any pressure, I've managed to figure out the answer with as few as one or two consonants on the board.

To give you an idea of what a *Wheel of Fortune* contestant is up against (minus the hot lights and the wheel, which you won't be able to spin at home), here are a few sample games from recent shows. Simply study the letters in the puzzle, along with the parenthetical clues, and see how quickly you can figure out what name or phrase is being spelled out.

Answer Drawer, page 69

## 1. A Title

I'M \_ \_ L \_ \_ \_ Y S  
\_ \_ H \_ \_ S I N \_ \_  
\_ \_ \_ I N B \_ \_ \_ S

(After a contestant bought the I, the puzzle became as clear as the sky after a shower.)

## 2. A Phrase

S T \_ \_ \_ I \_ \_ \_ T \_ \_ S  
\_ \_ \_ \_ \_ \_ \_ \_ \_ W

(Note that the letter I does not appear before that second S.)

## 3. A Person

\_ \_ \_ S \_ \_ N  
\_ \_ \_ B \_ \_ \_ S

(A contestant just lost his turn after guessing an E. The absence of Es should help you with the solution.)

## 4. A Landmark

F \_ \_ \_ T \_ \_ F \_ \_ \_

(Since there's no T in the first word, it cannot be "the." If the right three-letter word comes to mind, the solution will spring right up.)

## 5. An Event

\_ \_ \_ \_ R R \_ \_  
\_ \_ \_ \_ \_ \_ \_ \_ \_  
\_ \_ \_ \_ \_ \_ \_ \_ \_

(I'm especially proud of getting this one when I realized which letter was most likely to appear after the double R. It's a beauty.) —R.D.



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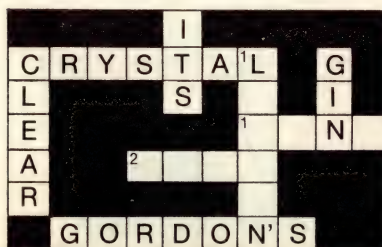
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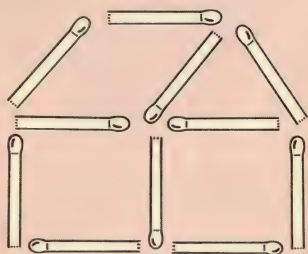
## A Sampler of Old Chestnuts and New Acorns ★☆

by Mel Stover

For these puzzles you'll need only a pencil and a little logic. The question is: just what *kind* of logic, and just *how* little? *Answer Drawer, page 69*

### 1 From East to West

What is the smallest number of matches that must be moved in order to turn the house 90 degrees?



### 2 Under Our Spell

How many words are misspelled?

Ukulele  
Ecstasy  
Obbligato  
Supersede  
Sacrilegious

Desiccate  
Inoculate  
Fuchsia  
Graffito  
Immaculate

### 3 Quick Deduction

Mentally now: How much is twenty-eight thousand six hundred and twenty-five subtracted from twenty-six thousand twenty-six hundred and twenty-six?

### 4 Tidy Problem

A freighter is anchored offshore awaiting an open dock, and its crew has gone on shore leave. A rope ladder is hanging over the side of the freighter with the bottom rung covered with oily water. There is a new moon and the tide has been coming in for 30 minutes. The crew is due back in six hours. The water is rising at the rate of nine inches an hour. How many rungs of the rope ladder will be covered by the time the crew returns?



### 5 Passing the Buck

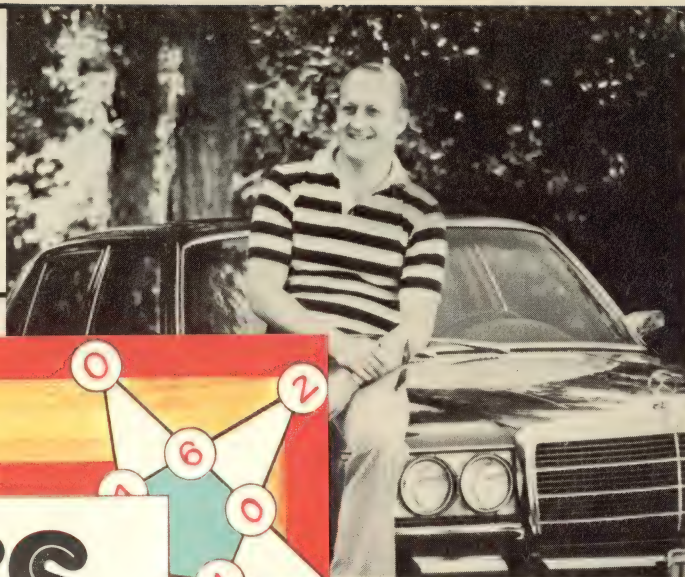
You are given a supply of American coins, one dollar's worth of each denomination. What is the smallest number of coins that will add up to \$1.00 *and* satisfy these conditions:

- a** the number of each denomination selected shall be an odd number;
- b** the total number of coins selected shall be an odd number.

(For example, you could pick one dime, one nickel, and 85 pennies, and have a dollar using 87 coins. But you can beat this solution.)



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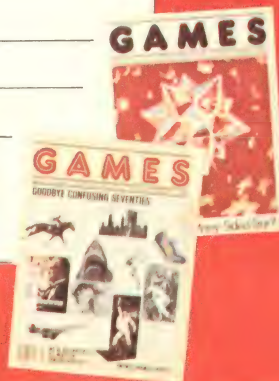
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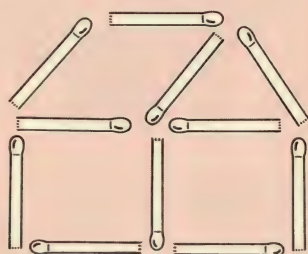
## A Sampler of Old Chestnuts and New Acorns ★☆

by Mel Stover

For these puzzles you'll need  
just what *kind* of logic, and

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of matches that must be moved  
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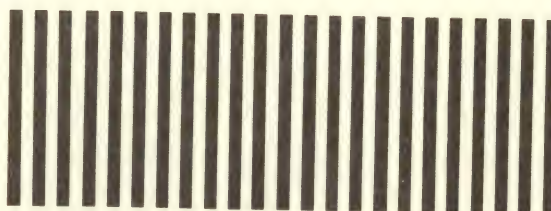
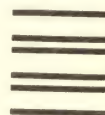


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*Tax laws say you don't have to pay taxes even if you earn between \$15,000 to \$35,000 or more!*

Nobody likes to pay taxes. And the tax laws in this country say you don't have to.

Most people think that the wealthy are the only ones who can save thousands of dollars each year on their taxes, but anybody with an average income can take advantage of the tax laws.

Let me explain exactly what I mean. Tax shelter's are nothing more or less than taking advantage of the tax laws that were put there for a reason. The reason is to help you and motivate you to invest so you will help the economy of the United States. (Your investment doesn't have to be cash, either. It can be just a bit of your time.)

The key to saving on your taxes is a little thing called "depreciation". You see, the U.S. Congress years ago decided that depreciation on certain kinds of properties could be deducted from your taxable income. Depreciation in theory means that your property goes down in value because of physical as well as functional deterioration even though, as we all know, in real life those same properties actually go up in value every year.

Here's a simple example: Let's say you bought a \$75,000 income property and you bought it entirely with someone else's money — and I can show you how to do that — how much depreciation and tax savings would that give you?

First of all the monthly rent you'd receive from your property would pay off your loan (this is called a self-liquidating loan) so you'd end up with a property that was paid for by someone else. And that's not even counting the tax advantage.

The good news is that your property would give you \$6,250 in depreciation—all of it would be deducted from your taxable income.

But that's not all. If you are now making \$20,000 a year and you bought three properties like the one above you could cut your income tax bill to zero. (Both federal and state.)

But that's still not all. By using your cash rebate wisely you can improve your properties by ten to thirty-five percent and that would increase your net worth by \$22,500 to \$78,750 a year. (Inflation by itself will do a lot of your work.)

So now, even if your income is only \$15,000 to \$35,000 a year, you can quite easily acquire enough property with enough depreciation that your tax bill is zero or close to it. And you can buy those properties without any cash of your own.



**Mark Haroldsen feels that paying more taxes than you have to is a waste. Learn how you too can begin to legally cut your taxes to zero.**

But wait a minute you say, how do I buy property with other people's money and increase my net worth by so much without paying taxes? Well, I thought you might ask so I'm ready with the answer.

In fact, I wrote a complete book about it. Now don't get upset and stop reading now! I know most books written on tax shelter and the buying of income property are fairly difficult, complex and confusing, but mine is not. I wrote it in language which anyone can understand and I know it works, because I've done it myself. In just 48 months I netted over one million dollars and paid less taxes in those years than the guy that makes \$20,000 a year.

So now here comes the sales pitch! I want you to stop paying so blasted much in taxes. Not because I'm trying to start a tax revolution, but because tax laws are there that allow you the privilege and advantage of not paying any taxes, and maybe our friends in Washington might get the general hint that we want them to spend less of our money.

Oh, yes, and I want to sell copies of my book *HOW TO WAKE UP THE FINANCIAL GENIUS INSIDE YOU!* This will not only show you how to save thousands of dollars on your taxes (or even reduce them to nothing) but it also will show you how to build a very large net worth of several hundred thousand dollars or add \$500 or \$1,000 to your monthly paycheck.

Now, if you can't quite believe everything I've said (I don't really blame you. Most people, including myself, are basically sceptics.) then I would encourage you to check me out. Call or write my bank (Utah First Bank), or the Salt Lake Chamber of Commerce, all in Salt Lake City, Utah.

Also, when you order, why don't you postdate your check by 30 days — and I guarantee and promise I will not cash your check for at least 30 days, thereby giving you time to read my material and benefit from it. If there's anything and I mean anything at all you don't like, then send my book back and we'll send you your check back the same day.

But if you're going to do something, do it

NOW. Don't put this paper down without taking action. In fact, if you've decided to order or if you have any questions, go to the phone right now, pick it up and call 801-973-4053 and you can order by credit card. (The same 30 day guarantee applies to credit card buyers.) The investment I ask you to make is only \$10. I can offer my formulas and methods at this low price because of my huge volume. Incidentally, more than 400,000 people have already bought this book through the mail and I have literally thousands of testimonial stories of how people have saved thousands of dollars on their taxes and built their net worth by hundreds of thousands of dollars.

Here's a small list of some of the things that this publication is guaranteed to do for you. It will show you how to:

- Shelter your income by legally avoiding paying federal or state income taxes.
- Add cash to your monthly salary.
- Benefit from inflation rather than being hurt by it.
- Buy income properties for as little as \$100 down.
- Begin without any cash.
- Put \$10,000 cash in your pocket each time you buy (without selling property).
- Double your assets every year.
- Allow you to travel one week out of every month.
- Reinvest your tax savings for even greater tax shelter.

**Note:** All this can be done immediately and without leaving your job, but after you get going, you may want to quit.

**To order,** simply take any size paper and write on it the words "*FINANCIAL GENIUS*" Dept. AE-34A. Send with your name, address, and check or money order for \$10.00, to me **Mark O. Haroldsen**, 2612 South 1030 West, Salt Lake City, Utah 84119. As soon as we receive it, I will immediately send you a copy by return mail. We can send you a copy of Mark's book today if you'd rather use your credit card. Simply call us at 1-(801)-973-4053.

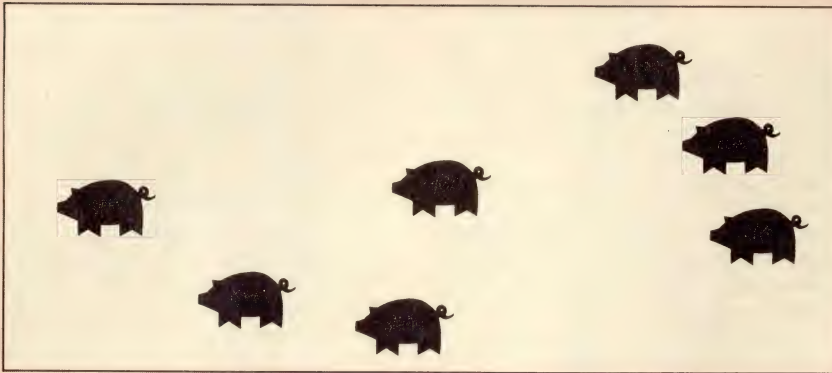


# TOUGH ONES

## CONTINUED

### 6 Pen and Pencil

What is the minimum number of lines needed to separate the pigs into individual compartments?



### 8 Sound Logic

Pedro, Pepe, and Juan are members of a musical group. One plays the sax, another the guitar, and the third the drums. All three are treated by the same psychiatrist for a different ailment: acrophobia (fear of heights), ailurophobia (fear of cats), and triskaidekaphobia (fear of the number 13).

From these jottings in the psychiatrist's notebook, can you make out who plays the sax?

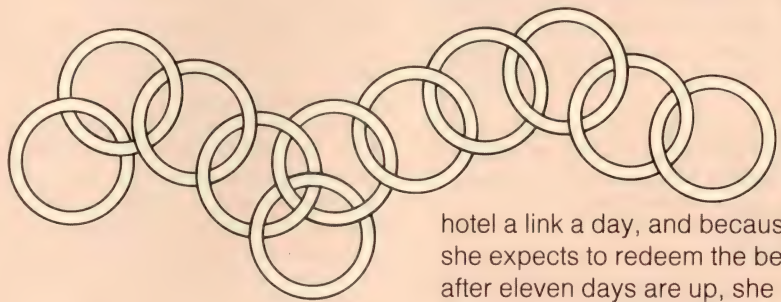
- 1 Pedro and the guitarist are mountain-climbing enthusiasts.
- 2 Pepe's Siamese loves to kibitz her master's backgammon games with the sax player.
- 3 The drummer lives in apartment 1313 with a large picture window overlooking Central Park.

### 7 The Divorcee's Dilemma

A jaded movie queen, between husbands and down to her last mink, was stranded in a fashionable hotel in Cannes with no immediately available liquid assets.

The management had long since put her on a cash in advance basis and to make the trust mutual she had responded by making daily payments in advance. She was expecting some alimony checks in eleven days and persuaded the hotel to accept a link of her gold belt for each day's rent.

The belt is pictured in the diagram below. Here is her problem. She wants to give the



hotel a link a day, and because she expects to redeem the belt after eleven days are up, she does not want to cut up the belt any more than necessary.

What is the minimum number of cuts required?





Your Bank \_\_\_\_\_

Account Number \_\_\_\_\_

City &amp; State \_\_\_\_\_

PAY  
TO THE  
ORDER OF

19

\$16.00

*Save the Children*  
*Sixteen and no/100*

DOLLARS

(Signature) \_\_\_\_\_

MEMO: U.S. Income Tax Deductible  
Monthly Sponsorship

(Your Address) \_\_\_\_\_

City &amp; State \_\_\_\_\_

Zip \_\_\_\_\_

# Fill out this check (or use your own) and save the children

For only 52¢ a day (just \$16 a month) you can befriend a needy child through Save the Children. Your money, combined with that of other sponsors, can breathe new life into an impoverished village...help hardworking people in their fight for dignity...turn despair into hope for a child who has known only disaster. 52¢ may not buy much where you live. But for the poorest of the poor, where the need is so desperate, it can work miracles.

For your first monthly sponsorship contribution, just fill out and sign the check at the top of this page (yes, as long as you indicate your bank name and account number, it is negotiable). Mail the entire page to Save the Children. Of course, you may use your personal check if you prefer.

## TELL US HOW YOU WANT TO HELP BY ANSWERING THESE QUESTIONS.

Your name \_\_\_\_\_  
(please print)

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

### 1 What kind of child would you like to help?

☐ Boy ☐ Girl ☐ Either

### 2 What geographical area are you interested in?

Urgent need exists in all the areas listed below. Select an area, or let us assign a child where the need is greatest.

☐ Where the need is greatest☐ Africa  
☐ Bangladesh  
☐ Chicano (U.S.)☐ Colombia  
☐ Dominican Republic  
☐ Honduras☐ Indian (U.S.)☐ Indonesia  
☐ Inner Cities (U.S.)☐ Israel  
☐ Korea  
☐ Lebanon☐ Mediterranean  
☐ Mexico  
☐ Southern States (U.S.)☐ Sri Lanka (Ceylon)

### 3 Would you like a picture of your sponsored child?

Shortly after we select a child for you, we can send you a photograph and brief personal history, if you desire.

☐ Yes ☐ No

Mail to:

# Save the Children®

50 Wilton Road, Westport, Connecticut 06880

Attn: David L. Guyer, President

### 4 Would you like to correspond with your sponsored child?

If desired, correspondence can help build a meaningful one-to-one relationship. Translations, where necessary, are supplied by Save the Children.

☐ Yes ☐ No

### 5 Would you like information about the child's community?

Several times a year you can receive detailed reports on community activities to benefit your sponsored child. These community reports show how your money is being used most effectively for permanent improvements to the child's environment—for health care, education, food production, nutrition, and community training. Would you like to receive such information?

☐ Yes ☐ No

### 6 Do you wish verification of Save the Children credentials?

Save the Children is indeed proud of

the handling of its funds. Based on last year's audit, an exceptionally large percentage (80.3%) of each dollar spent was used for program services and direct aid to children and their communities. Due to volunteered labor and materials, your donation provides your sponsored child with benefits worth many times your total gift. Would you like to receive an informative Annual Report (including a summary financial statement)?

☐ Yes ☐ No

(A complete audit statement is available upon request.)

### 7 Would you rather make a contribution than become a sponsor at this time?

☐ Yes, enclosed is my contribution of \$ \_\_\_\_\_☐ Check here for general information about our unique programs for aiding impoverished children.

© 1979 SAVE THE CHILDREN FEDERATION, INC.

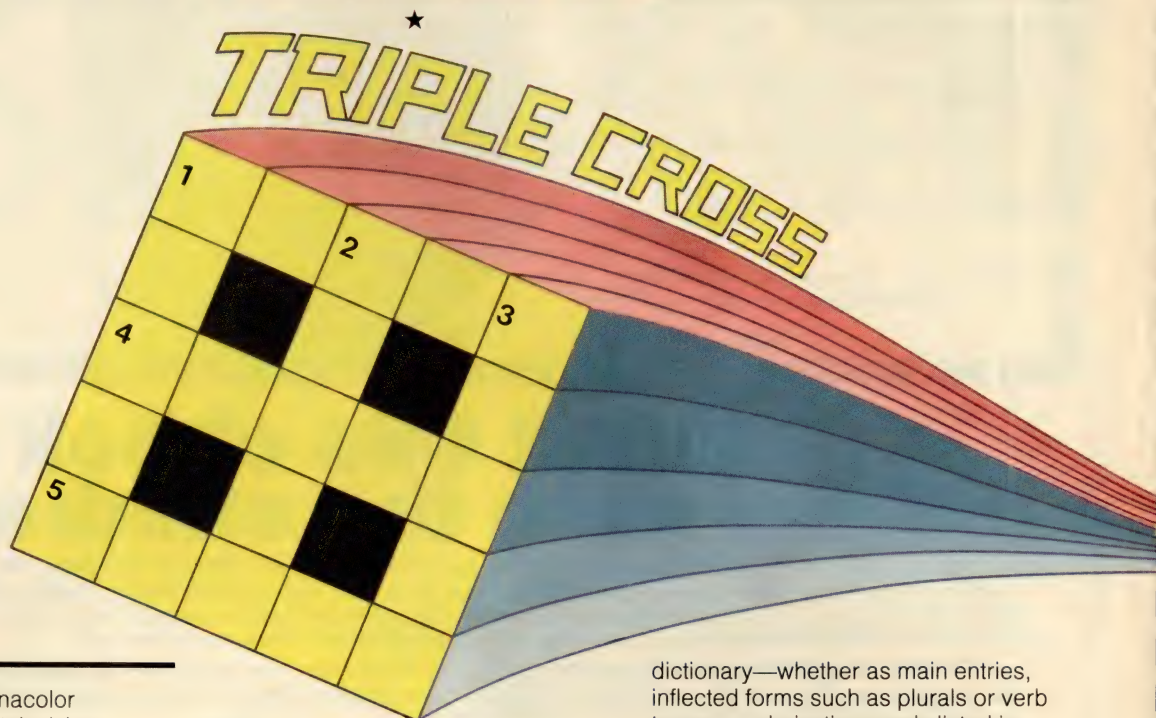
GA 3/80

YOUR SPONSORSHIP PAYMENTS AND CONTRIBUTIONS ARE U.S. INCOME TAX DEDUCTIBLE.

Established 1932. The original U.S. child sponsorship agency. Member of the American Council of Voluntary Agencies for Foreign Service.



# A GAMES CONTEST



**First Prize** A Quasar Dynacolor 19" -diagonal solid-state television.  
**Four Honorable Mention Prizes** A *Games* T-shirt.

You don't have to fancy yourself a skilled solver or composer of crossword puzzles to score well in this contest. Simply fill in each of the 21 blank spaces in the grid above, so that six 5-letter words are formed, reading left to right and top to bottom as in a crossword puzzle. Letters of the alphabet may be repeated in the grid, but no 5-letter word may appear more than once.

**Scoring** After placing a letter in each of the 21 empty grid squares, determine your score by using the following letter values:

A=1 F=6 K=11 O=15 S=19 W=23  
 B=2 G=7 L=12 P=16 T=20 X=24  
 C=3 H=8 M=13 Q=17 U=21 Y=25  
 D=4 I=9 N=14 R=18 V=22 Z=26  
 E=5 J=10

On the scorecard, add up the values for the letters in each of your six words, then add these six word-scores together to determine your total score.

**Example** Suppose your completed puzzle is the following:

To figure out your score, you would first add up the letter values for the word CAGED: C is worth 3, A is worth 1, G is 7, E is 5,

1	C	A	G	E	D
	O		U		R
4	B	L	A	D	E
	R		R		A
5	A	D	D	E	D

**Fill in the crossword grid with six 5-letter words, using as many high-scoring letters as possible.**

and D is 4. The score for CAGED, therefore, is  $3 + 1 + 7 + 5 + 4 = 20$ . You would enter 20 as your word-score for "1 Across," since CAGED is 1 Across in the grid. You would then repeat the process for each of your other 5-letter words: BLADE scores  $2 + 12 + 1 + 4 + 5 = 24$ ; ADDED is worth 18; COBRA is 39; GUARD is 51; and DREAD is 32. Your total score, then, would be  $20 + 24 + 18 + 39 + 51 + 32 = 184$ .

*Note that letters which appear in two words are counted in both words.*

**Winning** The entry with the highest total score wins. If any ties occur, they will be resolved in favor of the entry containing the word that comes first alphabetically. If ties still remain, alphabetical priority of the remaining words on each entry will decide. Ties among identical entries will be broken by random drawing.

**Acceptable words** All words used in the grid must appear in *Webster's Third New International Dictionary* (Unabridged) as single, unabbreviated, nonhyphenated, noncapitalized words, and they must either be listed in the main body of that

dictionary—whether as main entries, inflected forms such as plurals or verb tenses, or derivative words listed in boldface under main entries—or be clearly implied from the rules of Section 4 of the Explanatory Notes. Words appearing only in the Addenda, which varies from one printing to another, are not acceptable.

**Additional requirements** You may enter this contest as many times as you wish, but each entry must be mailed under separate cover. **IMPORTANT:** On the back of the envelope in which you are submitting an entry, write your score and circle it. Entries must be received no later than April 1, 1980.

## SCORECARD

	Word-Score
1 Across	— + — + — + — + — = —
4 Across	— + — + — + — + — = —
5 Across	— + — + — + — + — = —
1 Down	— + — + — + — + — = —
2 Down	— + — + — + — + — = —
3 Down	— + — + — + — + — = —
Total score = —	
Name _____	
Street Address _____	
City _____	State _____ Zip _____

Clip this page (or copy your answer grid and scorecard) and mail to: **Triple Cross Contest, Games Magazine, 515 Madison Avenue, New York, NY 10022.** Entries must be received by April 1, 1980. All entries become the property of *Games*. No submissions will be returned.



A woman with dark curly hair, wearing a pinkish-red jacket, is smiling and talking on a rotary telephone. She is standing in a kitchen. On the counter in front of her are several jars, a bowl of fruit (apples and oranges), and a glass of milk. In the background, there are kitchen cabinets and a window with a plant.

## Reach out after 11 p.m. and save 60%.

Before you catch a few zzzz's tonight, why not reach way out there and catch up with that night-owl friend of yours? Call after 11 p.m. and you can do a whole lot more catching up for a whole lot less. 60% less. That's right. You save 60% on out-of-state calls (except Hawaii and Alaska) after 11 p.m. Just be sure you dial direct without operator assistance. Go ahead, reach out tonight.



**Bell System**

## Reach out and touch someone.





# The Logical Cure for Digititis

Digititis is a passion for mathematical problems with missing digits. Anyone with a clear mind who enjoys logic puzzles is susceptible.

I myself contracted digititis many years ago in the fourth form of a British school in São Paulo, Brazil. I was already fascinated by algebra—I couldn't resist solving more problems in my textbook than my class was assigned. My teacher, hoping to keep me out of mischief while he drilled the other children on  $x + y$ , gave me a book of mathematical brain-teasers. To my delight, and eventual downfall, it contained long division problems with missing digits, and I have been a happy victim of digititis ever since.

The following step-by-step solution to a sample problem will help you to see the method behind the madness. The first diagram shows the problem and provides a refresher course in terminology:

Diagram illustrating the long division process for  $1000 \div 2$ :

DIVISOR  $2 \overline{) 1000}$

QUOTIENT  $500$

DIVIDEND  $1000$

2ND DIVIDEND  $0$

3RD DIVIDEND  $0$

4TH DIVIDEND  $0$

REMAINDER  $0$

As is often the case with digititis puzzles, the bottom is a good place to start. (You may want to pencil in numbers as we proceed.) Since there is no final REMAINDER, the FOURTH DIVIDEND and the line below it are identical, which means we can fill in a 7 beneath the one given and carry the given 7 up to the last blank of the DIVIDEND.

We note that the THIRD DIVIDEND, with the given 2, is a number in the 20s. A two-digit number will remain after we subtract a two-digit number from the THIRD DIVIDEND, so we can safely put a 1 beneath the 2 and another 1 beneath that. The FOURTH DIVIDEND and likewise the line beneath it are, therefore, both "one hundred-*something*-seven" (17).

Quickly running through our multiplication tables, we note that only

$1 \times 7$ ,  $7 \times 1$ ,  $3 \times 9$ , and  $9 \times 3$  have multiples ending in 7. We can also see that the first digit of the DIVISOR must be 1, for the line under the THIRD DIVIDEND to be 1\_. So the DIVISOR is either 11, 13, 17, or 19. Let's try all the possibilities with multiples ending in 7:  $11 \times 7 = 77$ ,  $13 \times 9 = 117$ ,  $17 \times 1 = 17$ , and  $19 \times 3 = 57$ . Since the line under the FOURTH DIVIDEND is 1\_7, it is evident that only  $13 \times 9$  will do. Therefore, the FOURTH DIVIDEND and the number below it are 117, the DIVISOR is 13, and the last digit of the QUOTIENT is 9. The partially filled-in problem now appears:

$$\begin{array}{r} \phantom{00}9 \\ 13 \overline{) 07} \\ \underline{\phantom{00}} \\ \phantom{00}2\phantom{0} \\ \underline{\phantom{00}1}\phantom{0} \\ \phantom{00}117 \\ \underline{\phantom{00}11}7 \end{array}$$

Since we now know that the DIVISOR is 13, it's a good idea to list the multiples of 13 as a handy guide:

$13 \times 1 = 13$	$13 \times 6 = 78$
$13 \times 2 = 26$	$13 \times 7 = 91$
$13 \times 3 = 39$	$13 \times 8 = 104$
$13 \times 4 = 52$	$13 \times 9 = 117$
$13 \times 5 = 65$	

The two-digit number below the THIRD DIVIDEND begins with a 1, so we know that 13 goes into the THIRD DIVIDEND only once. We fill in the 13 and put a 1 in the third blank of the QUOTIENT.

From  $2_2 - 13 = 11$ , we deduce that the THIRD DIVIDEND is 24. Place a 4 in the blank beside the given 2, and carry the 4 up to its place before the 7 in the DIVIDEND.

Now let's move to the top. The first three digits of the **DIVIDEND** minus the two-digit number below it must equal a one-digit number, the first digit of the **SECOND DIVIDEND**. Such a subtraction is possible only if the first two digits of the **DIVIDEND** are 10 and the first digit of the line below is 9. Fill these in.

According to the 13s table, only one number, times 13, has a multiple in the 90s:  $7 \times 13 = 91$ . So the first digit of the QUOTIENT is 7, and the line below the DIVIDEND is 91. Subtracting 91 from 100, we get 9, the first digit of the SECOND DIVIDEND. The problem now appears:

$$\begin{array}{r} 7 \text{ } \overline{) 19} \\ 13 \overline{) 100047} \\ \underline{91} \phantom{00} \\ 9 \phantom{000} \\ \underline{0} \phantom{00} \\ 24 \phantom{00} \\ \underline{13} \phantom{00} \\ 117 \phantom{00} \\ \underline{117} \phantom{00} \\ 0 \phantom{00} \end{array}$$

Almost home! If the SECOND DIVIDEND were 90, 13 would go into it six times, leaving a remainder of 12. But that is too large—the given remainder is 2. So the SECOND DIVIDEND is larger than 90, which means 13 goes into it seven times again, and the line below the SECOND DIVIDEND is 91. We fill in the 91 and put the 7 in the second blank of the QUOTIENT. From  $9\_\_ - 91 = 2$ , we deduce that the SECOND DIVIDEND is 93. We place a 3 beside the 9 in the SECOND DIVIDEND and carry the 3 up to its blank space in the DIVIDEND.

This last diagram shows the completed problem, and our multiplication proof to make sure our solution is correct:

$$\begin{array}{r} 7719 \\ 13 \overline{)100347} \\ \underline{91} \phantom{00} \\ 93 \phantom{00} \\ \underline{91} \phantom{00} \\ 24 \phantom{00} \\ \underline{13} \phantom{00} \\ 117 \phantom{00} \\ \underline{117} \phantom{00} \\ 0 \phantom{00} \end{array}$$

PROOF:

$$\begin{array}{r} 7719 \\ \times 13 \\ \hline 23157 \\ 7719 \\ \hline 100347 \end{array}$$

Now, while the digititis fever is hot, turn to the four problems on page 26 in Pencilwise, and demonstrate your mastery of the art! □

*B. Upton-Rowley is a retired English teacher and bilingual secretary. Her interests include puzzles, classical music, hydroponic gardening, and her nine grandchildren.*



In a world entertained by the  
great and the famous, we've  
starred for almost 100 years.

How rare.







**No compromise**

**Winston Lights didn't compromise  
on great taste to get low tar.  
Why should I?**

**Winston Lights taste good  
like a light cigarette should.**

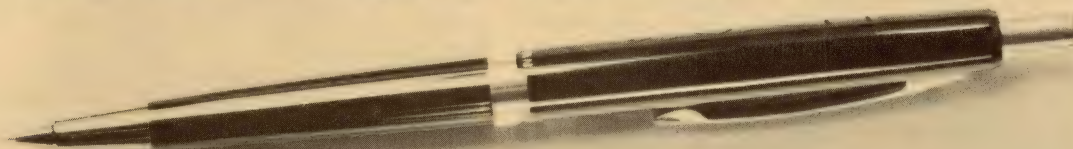
LIGHTS: 13 mg. "tar", 0.9 mg. nicotine, LIGHT 100's: 13 mg. "tar",  
1.0 mg. nicotine, av. per cigarette, FTC Report MAY '78.



Warning: The Surgeon General Has Determined  
That Cigarette Smoking Is Dangerous to Your Health.



# PENCILWISE



Edited by Will Shortz

Illustrated by Steven Parton

## The Spiral ★★

by A. Braine

This is a double-dealing puzzle. The spiral's Inward clues yield a sequence of words to be entered counterclockwise in the spaces from 1 to 100. The Outward clues yield a different set of words to be entered clockwise from 100 back to 1. Write the

answers in, one letter per space, according to the numbers beside the clues. We will soon have you coming and going. Keep track of which way you're proceeding, and have many happy returns.

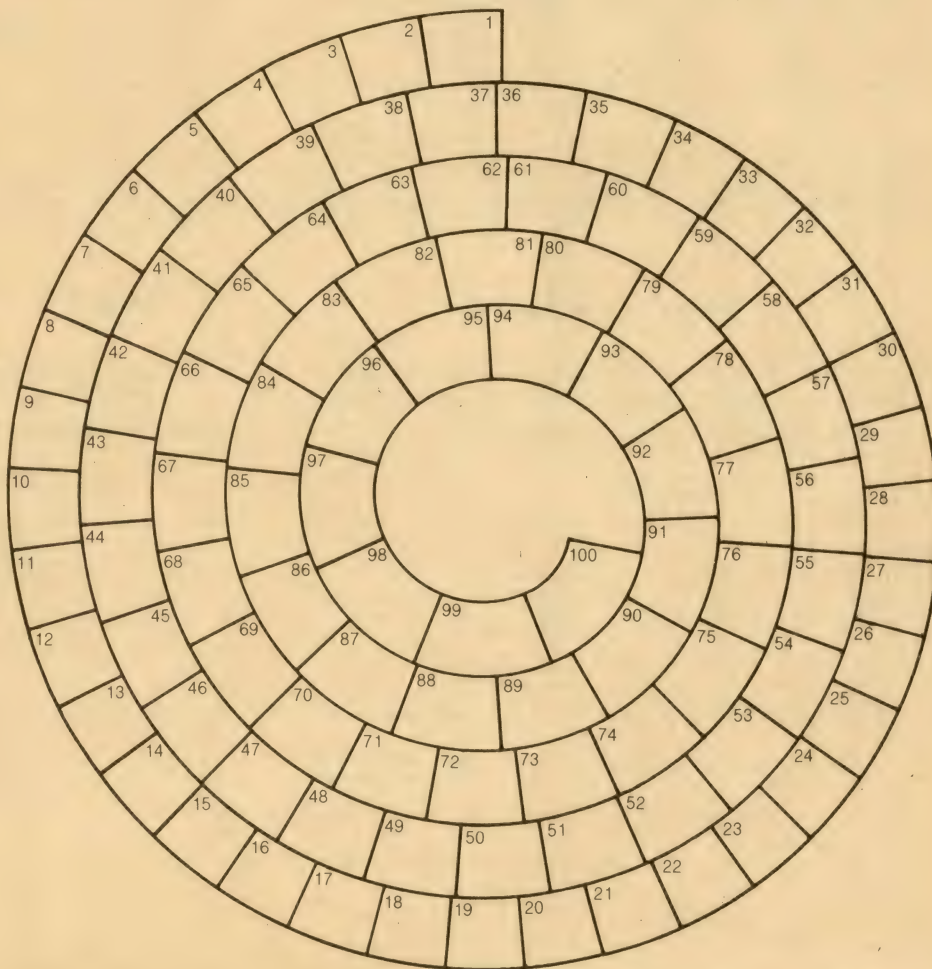
*Answer Drawer, page 69*

### INWARD

- 1-6 Central California city
- 7-13 Thin
- 14-18 Container for alcohol
- 19-25 Play's close
- 26-28 Poem
- 29-34 Photographer's equipment
- 35-39 "According to \_\_\_\_"
- 40-46 Hamlet
- 47-51 Send money
- 52-59 Fragrant, white flower
- 60-64 Bicycle or piano part
- 65-72 Special event
- 73-79 Unlawful
- 80-83 Tablet
- 84-89 Motor
- 90-93 \_\_\_\_ rays
- 94-100 Went back on a promise

### OUTWARD

- 100-91 Go to ruin
- 90-85 Good-hearted
- 84-77 Oval
- 76-69 Lincoln's home state
- 68-61 Laudatory notice
- 60-55 Hurt
- 54-48 Old piano music
- 47-43 Kingly
- 42-37 Spirited
- 36-32 Chicago airport
- 31-23 Balkan region
- 22-17 Vans and pickups
- 16-11 \_\_\_\_ Lord Tennyson
- 10-5 Ozzie or Harriet
- 4-1 Feudal slave





by B. Upton-Rowley

If you have never attempted a Digititis puzzle before, the going may look formidable. Actually, the solution requires nothing more than a little logic and a knowledge of addition.

Note: The period in the quotient in problems 2, 3, and 4 is a decimal point, and the notation  $\bullet$  in problem 3 stands for a three-digit sequence that would repeat itself indefinitely if the division were continued beyond this point.

Answer Drawer, page 69



# Having a Wonderful Time . . . ★

by Mel Rosen

## ACROSS

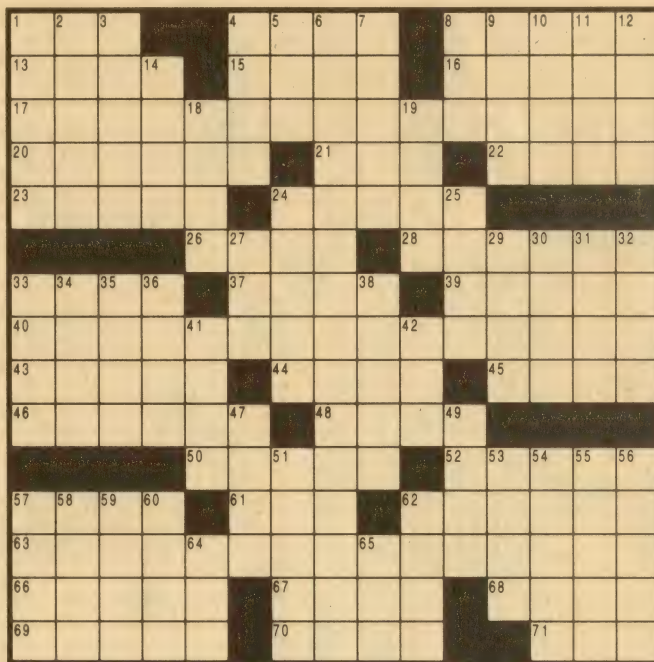
- 1 Baseball ref
- 4 August people, to astrologers
- 8 Get up from bed
- 13 Cleopatra's river
- 15 Water: Sp.
- 16 \_\_\_\_\_ the face (embarrassed): 2 wds.
- 17 Dating many people: 3 wds.
- 20 Aim to
- 21 Goldfish's "arm"
- 22 "King" Cole and Turner
- 23 Necessities
- 24 Mechanical man
- 26 Russian "king"
- 28 Pertaining to religious rites
- 33 Sleeping
- 37 Eden dweller
- 39 \_\_\_\_\_ fixing (illegal business practice)
- 40 Keeping the score close: 5 wds.
- 43 Where boxers box
- 44 Actor's part

- 45 Gets married
- 46 \_\_\_\_\_ Raiders
- 48 Mr. Preminger
- 50 Pack of 52
- 52 Quickly
- 57 Just in \_\_\_\_\_
- 61 Dachshund's doc
- 62 \_\_\_\_\_ symbol
- 63 Have a whirlwind tour: 4 wds.
- 66 Make a speech
- 67 French friend
- 68 "I cannot tell \_\_\_\_\_": 2 wds.
- 69 Heat-resistant glass
- 70 Lean over
- 71 Actor Barker

## DOWN

- 1 Remove a brooch
- 2 Winnie-the-Pooh author
- 3 Home \_\_\_\_\_ (fourth base?)
- 4 Welcome sight to Columbus
- 5 Omelet base
- 6 Looking for fun: 5 wds.
- 7 Sir, in India
- 8 Sandy's bark

- 9 Bridle part
- 10 "Bright" thought
- 11 Soil deposit
- 12 Comes to a close
- 14 Stared at
- 18 The I in M.I.T.: Abbr.
- 19 Mr. Slaughter of baseball
- 24 Speeder's "trap"
- 25 Music "deck"
- 27 Droop
- 29 Go "cock-a-doodle-doo!"
- 30 Abundant
- 31 Battery fluid
- 32 Allows
- 33 \_\_\_\_\_ and a Woman
- 34 Silent star Theda
- 35 \_\_\_\_\_ out (got by)
- 36 Sup
- 38 Fountain drinks
- 41 Drug "fuzz"
- 42 Shea Stadium player
- 47 Use a piggy bank
- 49 Meal for a mare
- 51 Treatment center, for short
- 53 Mama's mate



Answer Drawer, page 69

- |                             |                |                         |
|-----------------------------|----------------|-------------------------|
| 54 Coral island             | 57 Karate blow | 62 Lose fur or feathers |
| 55 _____ pie (adorable one) | 58 Thin, light | 64 Jinx                 |
| 56 County in England        | 59 Headliner   | 65 Kind of rummy        |

# Gold Nuggets ★

by Gene Traub

From our fascinating facts file: The world's largest gold nugget, the famed Holtermann, weighed 7,560 ounces when it was found—or a staggering 472½ pounds. It was discovered in New South Wales, Australia, in 1872, and required several men to carry it (carefully) from the mine.

Eighteen smaller gold-bearing nuggets correspond to the clues below. Each answer is a name, phrase, or familiar expression with the word GOLD in it. For example, "Avaricious lady" would be a GOLD DIGGER. Solving all 18 clues might be a gold record.

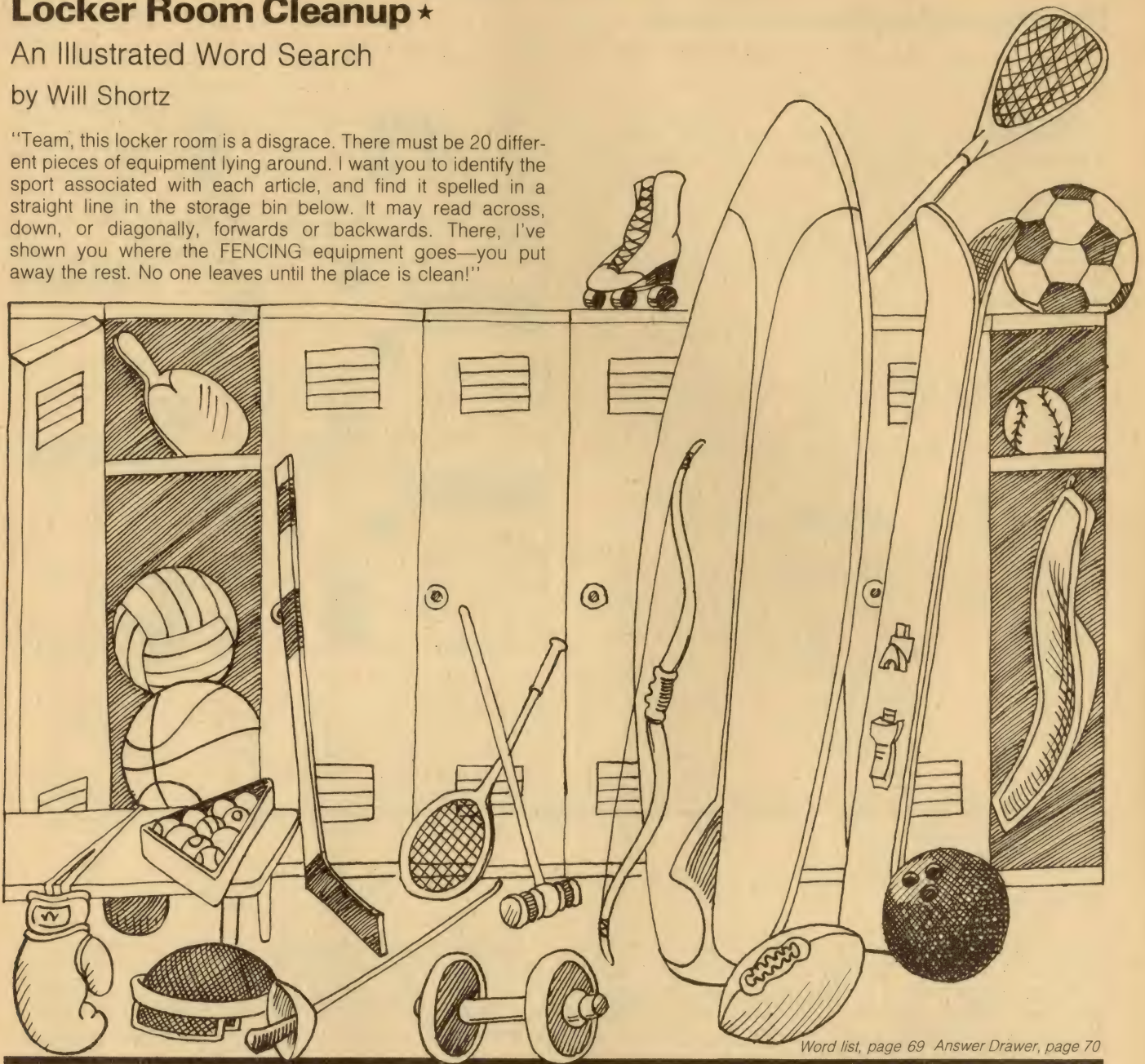
Answer Drawer, page 69

- |                                    |                                  |
|------------------------------------|----------------------------------|
| 1. San Francisco landmark _____    | 10. Arizona Senator _____        |
| 2. Former Israeli leader _____     | 11. Nonprofit boxing _____       |
| 3. Bears' houseguest _____         | 12. Iron pyrite _____            |
| 4. Generous disposition _____      | 13. Bird dog _____               |
| 5. Hay fever source _____          | 14. Wagner's <i>Das</i> _____    |
| 6. <i>Foul Play</i> target _____   | 15. Jason's quest _____          |
| 7. Chaplin classic _____           | 16. Showy, scented flower _____  |
| 8. Joseph Heller bestseller _____  | 17. The G in MGM _____           |
| 9. Once in a lifetime chance _____ | 18. "Do unto others . . ." _____ |



# An Illustrated Word Search

"Team, this locker room is a disgrace. There must be 20 different pieces of equipment lying around. I want you to identify the sport associated with each article, and find it spelled in a straight line in the storage bin below. It may read across, down, or diagonally, forwards or backwards. There, I've shown you where the FENCING equipment goes—you put away the rest. No one leaves until the place is clean!"



Y	M	A	P	B	O	W	L	I	N	G	A	S	I	N	N	E	T	E	L	B	A	T	C	N	Y	Z	K	A
R	F	L	I	M	A	R	Q	U	Y	V	I	B	S	D	R	A	I	L	L	I	B	D	N	I	J	F	L	N
E	E	B	L	O	N	S	U	E	R	N	K	A	Y	T	F	V	A	D	N	A	G	S	Q	S	O	W	G	O
H	N	P	H	A	K	L	K	R	G	M	U	S	L	R	L	B	R	E	C	R	O	Q	U	E	T	S	I	T
C	C	L	T	I	B	C	H	E	N	I	T	E	N	A	Y	O	C	N	A	P	E	R	G	H	S	F	A	N
R	I	Y	I	M	O	T	R	C	T	S	O	B	W	E	I	G	H	T	L	I	F	T	I	N	G	U	M	I
A	N	N	C	H	R	I	O	C	D	B	F	A	L	V	R	A	P	O	X	I	C	A	Q	U	I	N	T	M
S	G	R	E	B	E	S	S	O	R	C	A	L	K	N	I	O	J	S	N	W	O	U	R	L	D	X	E	D
R	A	C	R	O	L	L	E	S	F	N	O	L	B	A	T	F	E	G	O	L	I	P	H	E	R	D	O	A
M	I	G	U	S	T	I	N	G	O	V	K	Z	L	H	G	N	I	T	A	K	S	R	E	L	L	O	R	B



## Power Play ★★

by Judah Koolyk

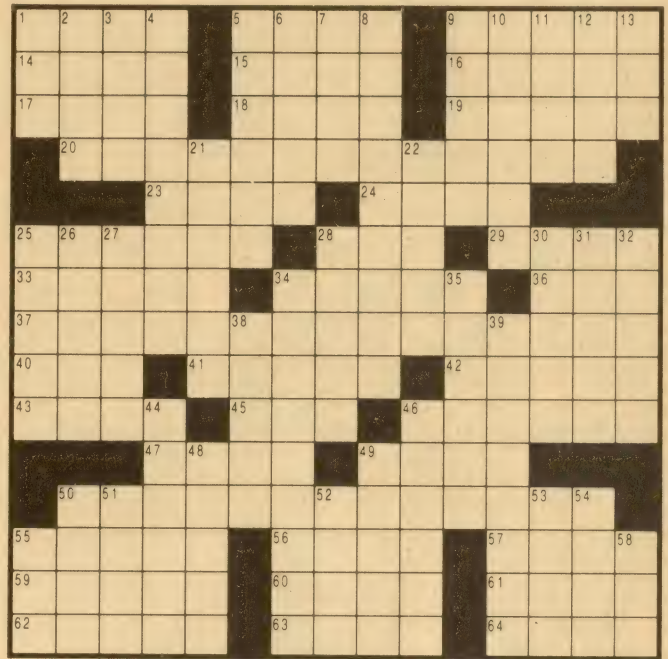
### ACROSS

- 1 Spanish artist
- 5 The D in DJ
- 9 Orange box
- 14 Actor Guinness
- 15 "Do \_\_\_\_ others as ..."
- 16 Swiss cheese features
- 17 Partridge's tree of song
- 18 McCoys or Hatfields
- 19 Sub, to Sigmund
- 20 Receiver of huge bill from 37-  
Across?: 2 wds.
- 23 Seattle \_\_\_\_ (1977 Triple Crown)
- 24 Adjust a piano
- 25 Slowed down
- 28 Jackie's side-kick on *The Honeymooners*
- 29 Aria singer
- 33 Press, TV, etc.
- 34 Clichéd
- 36 Collar
- 37 "Powerful"  
*Monopoly* holding
- 40 Annex
- 41 What a blanket blankets
- 42 Sea eagles
- 43 Deli loaves
- 45 Like a Neil Simon couple
- 46 Tenets
- 47 \_\_\_\_ avail: 2 wds.
- 49 Box seat
- 50 Happenings at 37-  
Across?: 2 wds.
- 55 Church council
- 56 Roof part
- 57 Angered
- 59 \_\_\_\_ from (except for)
- 60 Beasts of burden
- 61 Shipshape
- 62 Small sea mammal
- 63 Zeroes
- 64 Obtains
- 6 Miss Lillian, to Rosalynn
- 7 Pierce
- 8 What boas do
- 9 Butter-making device
- 10 Pulled a bank job
- 11 Lily plant
- 12 Pull apart
- 13 Boston time initials
- 21 Footwear for Fran Tarkenton
- 22 \_\_\_\_ lunch: 2 wds.
- 25 Arabian ruler: Var.
- 26 Word before dance or laugh
- 27 An Astaire
- 28 Curved
- 30 Silly
- 31 Like some barn roofs
- 32 Bottomless pit
- 34 Got stinko: 3 wds.
- 35 Come out of hiding
- 38 French river
- 39 Activity for a starlet or starling

### DOWN

- 1 Hiatus
- 2 Hoorays, for Josés
- 3 Slangy assent
- 4 Poem with a bonus message
- 5 Evaded, as an issue

Answer Drawer, page 70



- 44 Took giant steps
- 46 Witches' gatherings
- 48 Law partner?
- 49 Even
- 50 Saclike structure
- 51 One
- 52 It's widely hailed
- 53 Arbor Day item
- 54 Act the usher
- 55 \_\_\_\_ Paolo, Brazil
- 58 Wino's woes: Abbr.

## TV Digest ★★

by Doug and Janis Heller

That paper shortage you may have read about has had an adverse effect on our local newspaper's television supplement. The harried TV editor has decided to conserve space and abbreviate all program titles by eliminating vowels, punctuation, and the spaces between words. Thus, the listing CHRLSNGLS would represent *Charlie's Angels*, and RNSD

would be *Ironside*. The letter Y, he lamented, can never be removed; otherwise the local show *You*, so popular with the "Me Generation," would have no listing at all!

This week's programming is an assortment of new shows and favorite oldies. Can you tell what's on the tube?

Answer Drawer, page 70

1. TWLGHTZN \_\_\_\_\_
2. QNCY \_\_\_\_\_
3. GRNCRS \_\_\_\_\_
4. DRMFJNN \_\_\_\_\_
5. LVBT \_\_\_\_\_
6. HWFV \_\_\_\_\_
7. LGRNT \_\_\_\_\_
8. MRD \_\_\_\_\_
9. THNTCHBLS \_\_\_\_\_
10. SHNN \_\_\_\_\_
11. TX \_\_\_\_\_
12. LVLGY \_\_\_\_\_
13. MCMLLNNDWF \_\_\_\_\_
14. CNDDCMR \_\_\_\_\_
15. FTRP \_\_\_\_\_
16. HHW \_\_\_\_\_
17. THFB \_\_\_\_\_
18. VG\$ \_\_\_\_\_



# Dszquphsbnt! ☆☆

by Norma Gleason

Below are eight messages, consisting of pithy sayings, fascinating facts, and an occasional wisecrack, which have been translated into code alphabets. Letter substitutions remain constant throughout any one cipher, but change from one cipher to the next, and the level of difficulty increases as you progress. An asterisk (\*) indicates a proper noun.

Word divisions in cipher 8 have been concealed by arbitrarily putting the letters into groups of five—although the letters are still in proper order. Punctuation has been omitted in this cipher to increase the challenge.

Clues are given at the bottom of the page to provide assistance if you need it.

Answer Drawer, page 70

## 1. VISUAL EXPERIMENT

BY OYX ZFKJ JY VRR AYZ OYX  
EYYP ZARK OYX FGR FVERRT?  
VJFKB UK IGYKJ YI F QUGGYG  
ZUJA OYXG RORV VAXJ.

## 2. LIVING UP TO EXPECTATIONS

GTWJG EWZEDW JK NQ GBWH  
AWTW ABJG GBWH ZSIBG GZ  
FW JRM HZS BWDE GBWV GZ  
FWXZVW ABJG GBWH JTW  
XJEJFDW ZQ FWNRI. \*IZWGBW

## 3. BRITISH SPORT

\*WELRTYA YIOZWEIY JRKM K  
LKGW VS AKEZCKRR HKRRWZ  
"STQWY," JRKMWZ CM IDV VN  
SVON JRKMWNY TE K HVONI  
WEHRVYWZ VE IANWW YTZWY.

## 4. BOTTOMS DOWN

NKXM \*CKLEWX EYR \*NIIXMKAII  
JKCSKOIR CTOUJ XK NI SPEFIR  
KY CTOUJEP DPEOOIO, DWERIR  
UY OULI KW JKYXEUYUYD  
AEWFUYD HTEYXUXUIO KV  
BEXIW.

## 5. ELECTRONIC MARVEL

RLFTKWJNA INJ OISWIAWMR. MS  
I OJC FMSKWJA WUJP RIS FIQJ  
I FMAWIQJ AL DNJIW WUIW MW  
CLKBE WIQJ FISP FJS FISP  
FLSWUA WL JHKIB MW.

## 6. CHOICES

BWZPYNF WI ZPWRJ DYPP DYTX  
NUP NUWRJI VP STR'N BWGP  
WR TYSPY NT ZP IBKAPI NT  
NUP NUWRJI VP ST BWGP.  
\*PYRPIN \*ZPRR

## 7. BLAME THE JONESES

PD PV QNJOOE DTN  
WNPBTUSQV' LJXOD DTJD ZN  
AJW'D VJMN CSWNE. DTNE JQN  
JOZJEV UXEPWB VSCNDTPWB ZN  
AJW'D JLLSQI.

## 8. SCHOOL OF HARD KNOCKS

WMTWL BWRFW BIZXW ARHSZ  
WJFXW LJRSA QGIWC WLXJK  
VXAXJ RKIAG ZZXWZ WIZQB  
LIZJR KWMTH JBRIZ XWHWI  
IARHJ ZWL

### Additional Clues

**Cipher 1:** Note *oyx* and *oyxg*, and low frequency of both *o* and *x*. Try the words *you* and *your*.

**Cipher 2:** The pattern *EWZEDW*, with repeated letters in the first/fourth and second/sixth positions, is most often the word *PEOPLE*.

**Cipher 3:** Cipher *k* here = plain *a*, and high frequency cipher letter *w* = plain *e*. Words *JRKM*, *JRKMWZ*, and *JRKMWNY* relate to the title.

**Cipher 4:** What word likely connects two proper names? Try *AND*.

**Cipher 5:** Cipher *F* = plain *m*.

**Cipher 6:** Cipher words *ST* and *STR'N* suggest plaintext *DO* and *DON'T*.

**Cipher 7:** The most common digraph in English is *TH*. It appears four times here as cipher *DT*.

**Cipher 8:** The word *LESSON* appears. Look for doubled cipher letters preceded by a high frequency letter.



## How Good a Witness Are You?



## At the Scene of the Crime: Part 2 ★★

How Good a Witness *Were* You? (Continued from page 31)

In the rather busy street scene on the previous page, you were witness to one robbery, four misdemeanors, and an approaching calamity. The police would like your firsthand account of what happened, so please report the facts and events to the best of your memory:

*Answer Drawer and ratings, page 70*

1. What time was it by the bank clock? \_\_\_\_\_
2. What day of the week was it? \_\_\_\_\_
3. What was the name of the outdoor café? \_\_\_\_\_
4. On what street was its entrance? \_\_\_\_\_
5. How many thieves were staging the holdup? \_\_\_\_\_
6. Were they armed? \_\_\_\_\_
7. How many bags of loot were they carrying? \_\_\_\_\_
8. Was the thief in the street wearing a hat? \_\_\_\_\_
9. How many people, besides you and the holdup men, were at the scene of the robbery? \_\_\_\_\_
10. What were the initials of the man in the business suit? \_\_\_\_\_
11. What immediate danger was he in? \_\_\_\_\_
12. Was the onlooker from the second floor a man or woman? \_\_\_\_\_
13. What store was next door to the café? \_\_\_\_\_
14. On what street was its entrance? \_\_\_\_\_
15. What was the shopper stealing? \_\_\_\_\_
16. What was the license number of the car parked in front of the store? \_\_\_\_\_
17. Why was it illegally parked? \_\_\_\_\_
18. What part of the car was being vandalized? \_\_\_\_\_
19. What offense was being committed against the lady diner? \_\_\_\_\_
20. Was there a police phone at the corner? \_\_\_\_\_

### Bonus:

21. Please identify the holdup men from this lineup:



## Book Returns ★★

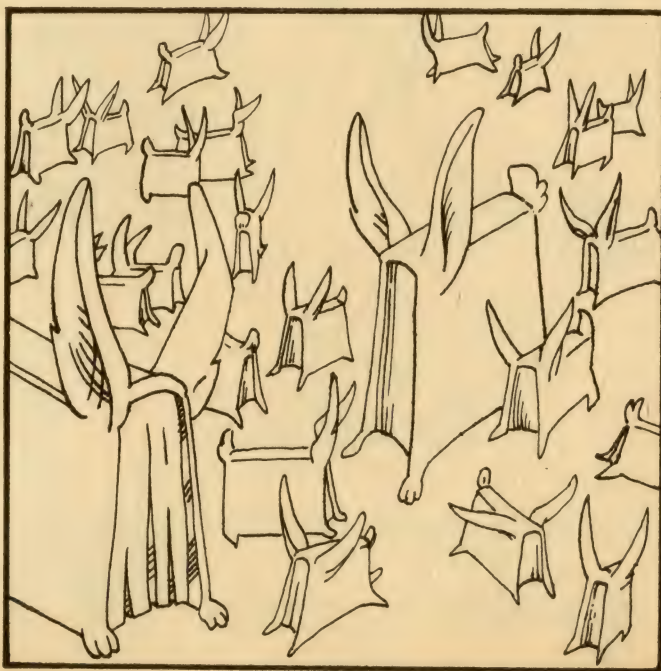
by Walter Chase

It all began when we loaned a swimming magazine to a friend and it came back wet. Ha! "What if we had loaned a book on racket sports?" we wondered. "Would it have come back squashed?" We'll never know, but we have been devising appropriate returns for book loans ever since. Think of fitting ways the following books might come back, and then compare your responses with ours.

*Answer Drawer, page 70*

I loaned my book on . . . and it came back \_\_\_\_\_

1. Formal wear \_\_\_\_\_
2. Cooking \_\_\_\_\_
3. Canine care \_\_\_\_\_
4. Monty Python humor \_\_\_\_\_
5. Rabbits \_\_\_\_\_
6. Cowards \_\_\_\_\_
7. Grocery pricing \_\_\_\_\_
8. Math \_\_\_\_\_





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## At the Scene of the Crime: Part 2 ★★

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9. How many people, besides you and the holdup men, were at the s \_\_\_\_\_
10. What v \_\_\_\_\_
11. What i \_\_\_\_\_
12. Was th \_\_\_\_\_
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19. What offense was being committed against the lady diner? \_\_\_\_\_
20. Was there a police phone at the corner? \_\_\_\_\_

## Book

by Walter

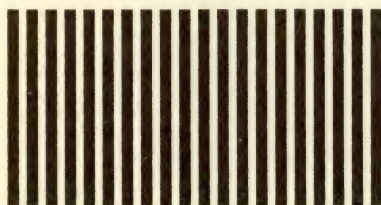
It all began  
and it came  
racket sped  
squashed?  
appropriate  
ways the fo  
your resp

I loaned my

1. Formal
2. Cooking
3. Canine
4. Monty F
5. Rabbits
6. Coward B
7. Grocery
8. Math

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# WILD CARDS

☆☆ Edited by Lisa Feder ☆☆



## Stunts

### Center the Cork

Fill a glass with water and drop a small cork on the surface. It will float to one side, touching the glass. How can you make it float permanently in the center? (The glass must contain nothing but the water and the cork.)

—from *Mathematical Carnival* (Vintage Books).  
©1975 by Martin Gardner.

Answer, page 38

## Trivia



### Made to Order

A frank on a bun, a typewriter, the subway, a safety pin, the automobile, the Christmas card, a pair of dice, and an umbrella. Can you place these items in the correct order in which they were invented?

—C.S.

Answer, page 38

## List Dept.

### A Nice Place to Visit, But...

For most of us, home is where: you hang your hat, the heart is, you can't go again, etc. Be it ever so humble, there certainly *is* no place like home for the Americans who hail from these hometowns:

Our Town, Alabama  
Why, Arizona  
Whynot, Mississippi  
Coffee Pot Rapids, Idaho  
Gnaw Bone, Indiana  
Monkey's Eyebrow, Kentucky  
Tightwad, Missouri  
Cheesequake, New Jersey  
Knockemstiff, Ohio  
Bowlegs, Oklahoma  
Scalp Level, Pennsylvania  
Difficult, Tennessee  
Cut and Shoot, Texas  
Pysht, Washington  
Pickle Street, West Virginia  
Imalone, Wisconsin  
Dull Center, Wyoming

## Kibitzers

### Free Play

As soon as man apprehends himself as free and wishes to use his freedom . . . then his activity is play.

—Jean-Paul Sartre,  
*Being and Nothingness*

## Look

### An Equal Opportunity

The following equation is actually valid. Without making any mathematical changes, how can you prove this? —Raymond D. Love

$$8 = 14913$$

Answer, page 38

## If..., Then...

### A Trumped-Up Problem

Larry Harkness is an honest card player, but the way he describes his last bridge game leads us to believe he's sharper with his cards than the average bridge bum:

"Oh yes, it was a good bridge game. I had each of the other three as a partner for one round. Highlight of the evening was when Gainor bid a slam for his partner, Dave, who turned out to have only a three-card trump suit.

"George and I were partners in the first round, against Farnsworth and the redhead. In the second round, my opponents were Chambers and Farnsworth.


"Bill had the high score for the evening. George gave Gainor a ride home."

What is Dave's last name and when was he Larry's partner? And who is the redhead?

—Paul McClenon

Answer, page 38



A man with a mustache, wearing a light-colored cowboy hat and a brown shearling jacket over a light blue shirt, is shown in profile, looking off to the side while smoking a cigarette. He is leaning against a large, rough-textured log. In the foreground, a coiled rope is visible. To the right, two packs of Marlboro cigarettes are shown: a red pack labeled 'Marlboro' and a gold pack labeled 'Marlboro 100's'.

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## For the Record



### Why Do I Love Paris? and Other Musical Musings

The following questions were posed in the lyrics of songs popular during the last 20 years. What distinguishes these questions is that they were also answered in the lines that followed. Can *you* guess the answers? Humming may help.

1. You load sixteen tons and what do you get?
2. Are there lilac trees in the heart of town?
3. Would you believe in a love at first sight?
4. Will he ever return?
5. Bless my soul, what's wrong with me?
6. Mr. Purple People Eater, what's your line?
7. Where have all the graveyards gone?
8. What's playing at the Roxy?
9. Why do I love Paris?
10. What's that you say Mrs. Robinson?
11. The bear went over the mountain and what do you think he saw?
12. What ain't we got?
13. A great ball club we haven't got; what do we got?
14. Will I wait a lonely lifetime?
15. When it's cold outside, I've got the month of May. I guess you'd say, what can make me feel this way?
16. Someone really loves you, guess who?
17. When evening rolls around and it's time to go to town, where do you go?
18. Why did I give my heart so fast?
19. How do you know if he loves you so?
20. What now my love?

—Thomas Hauser

Answer, page 38

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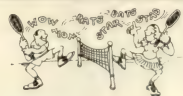
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## Word Play



### Double Trouble

If an extra-efficient building manager is a SUPER SUPER, what pair of words do these definitions bring to mind?

1. somewhat attractive
2. in favor of paying an athlete
3. undersized torpedo boat
4. thoroughly mixed human

Answer, page 38

## Private Games



### Milestones

Sports entrepreneur Jerry Buss revealed this one in *Sports Illustrated*: "I'll notice the number of miles on the odometer of a friend's car, then, maybe weeks later, I'll call him and ask if I can go for a ride with him and watch while his odometer turns past 100,000 miles."

## Bright Ideas



### Cabin Fever

Here's a remedy for the cold weather blues that gives each winner his just desserts. All you need is a hat, gloves, and a scarf; a candy bar wrapped in several layers of paper; and a pair of dice.

Players take turns rolling the dice. As soon as one player rolls doubles, that player puts on the hat, scarf, and gloves and begins to open up the package.

While that's being done, the other players continue to take turns rolling the dice. As soon as someone else rolls doubles, the player who is trying to unwrap the candy bar must stop, divest him- or herself of the clothing accoutrements, and give them to the player who just rolled doubles.

The player who actually manages to take a bite out of the candy bar gets to eat the whole thing.

Most jocular.

—B.D.K.

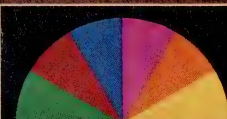
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# RISK:

## Rule Variations for Strategic Play

In playing RISK, you might prefer to depend on your ability to devise clever strategies than to count on your luck with the dice. If so, try some of these rule variations designed to reduce the role of luck in the game.

- Instead of increasing the value of each matched set of cards as stated in the rules, increase succeeding sets by only 1.

- In the current rules, at the end of your turn you are permitted to move armies from *one* territory to *one* adjacent territory. In the variation you may move armies from *any number* of territories into *any number* of other territories. But first, you must occupy all territories in between. For example, if you want to move armies from South Africa into Brazil, you must first occupy the Congo and North Africa—thus forming a continuous path.

- Current rules put no limit on the number of armies which may occupy a territory. In the variation, you may not have more than 12 armies on a single territory. If, because of this rule, you are unable to place some armies, you lose them.

For additional "Rule Variations for RISK Experts", as well as "Rules for Shorter Play" and "RISK for Two Players", send a stamped self-addressed envelope to RISK, c/o Parker Brothers, P.O. Box 1012, Beverly, MA. 01915

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## WILD CARD ANSWERS

### Center the Cork

The cork will float at the center of the glass when the glass is filled virtually to overflowing.

### An Equal Opportunity

By reading it upside-down (eight=8).

### Made to Order

1. Dice (c.2000 B.C.)
2. Umbrella (c.1350 B.C.)
3. Automobile (1769)
4. Christmas card (1843)
5. Subway (1848)
6. Safety Pin (1849)
7. Typewriter (1867)
8. Frankfurter on bun (1904)

### A Trumped-Up Problem

We can identify the three players by eliminating impossibilities. Gainor is neither Dave nor George; therefore, Gainor is Bill. Farnsworth is also not George; therefore, Farnsworth is Dave and Chambers is George. The game is now easy to reconstruct. In the first round, Larry Harkness and George Chambers played Bill Gainor (the redhead) and Dave Farnsworth. In the second round, Larry and Bill played against George and Dave. So Dave was Larry's partner in the third round against Chambers and Gainor.

### Musical Musings

1. Another day older and deeper in debt. (*Sixteen Tons*)

2. No, it's just on the street where you live. (*On the Street Where You Live*)

3. Yes, I'm certain that it happens all the time. (*With a Little Help from My Friends*)

4. No, he'll never return. (*The MTA*)

5. I'm in love, I'm all shook up. (*All Shook Up*)

6. Eatin' purple people, and it sure is fine. (*Purple People Eater*)

7. Gone to flowers, every one. (*Where Have All the Flowers Gone?*)

8. A story about a Minnesota man so in love with a Mississippi girl that he marries her and moves all the way to Biloxi. (*Guys and Dolls*)

9. Because my love is there. (*I Love Paris*)

10. Joltin' Joe has left and gone away. (*Mrs. Robinson*)

11. He saw another mountain. (*The Bear Went Over the Mountain*)

12. We ain't got dames. (*There Is Nothing Like a Dame*)

13. Heart. (*Heart*)

14. If you want me to I will. (*I Will*)

15. My girl. (*My Girl*)

16. That someone is me. (*Someone*)

17. To rock and roll. (*Your Momma Don't Dance*)

18. I was a mere child of sixteen. (*Only Sixteen*)

19. It's in his kiss. (*Shoop Shoop Song*)

20. Only our last goodbye. (*What Now My Love*)

### Double Trouble

1. pretty pretty
2. pro pro
3. sub sub
4. homo homo



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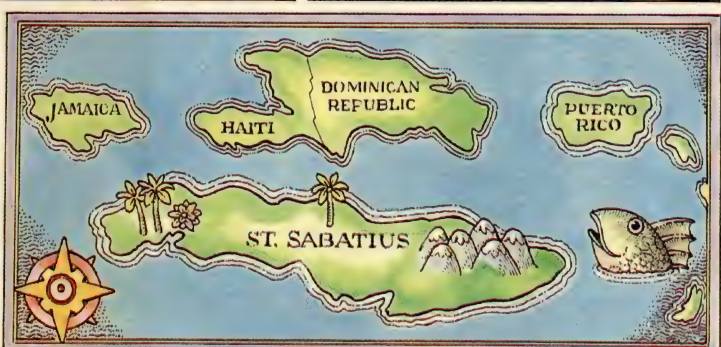
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Crowding	0	Nightlife	0	Radio, TV	0	Cuisine	0
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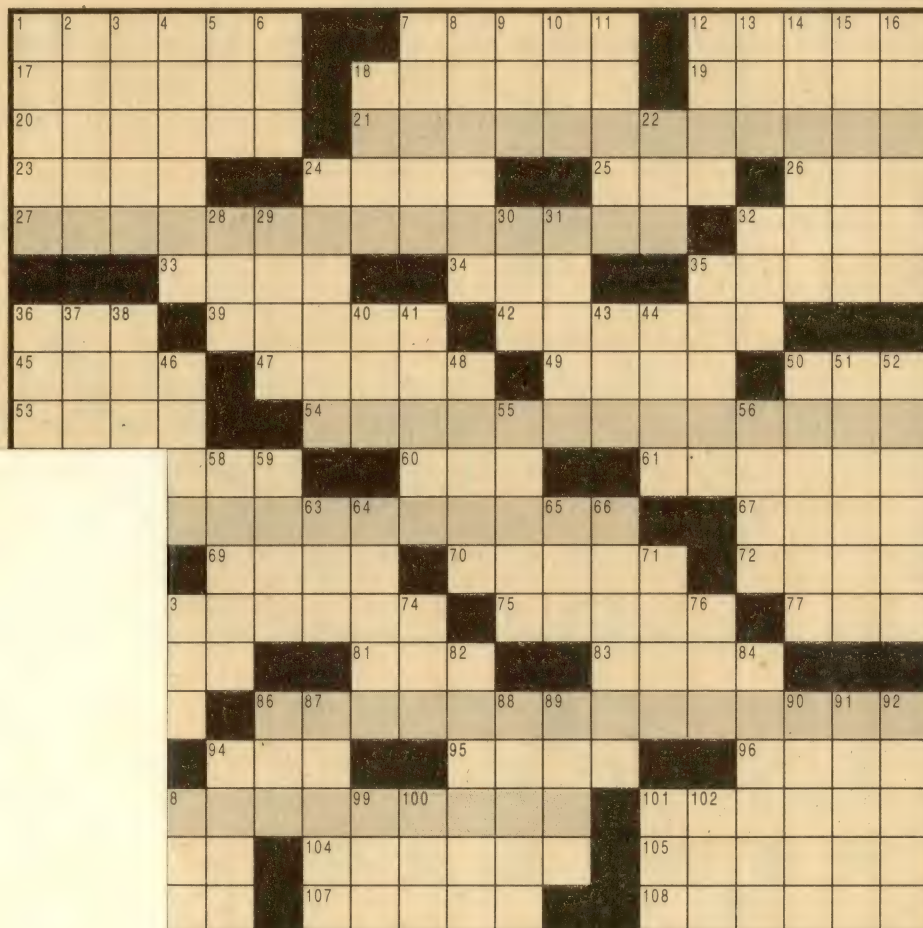
# Secret Message ★★★

by Henry Hook

Answer next issue

## ACROSS

- 1 Rainstorm reminder  
7 Most, to McTavish  
12 Heston role  
17 "Roses \_\_\_\_"  
18 \_\_\_\_-down (used)  
19 TV's Mr. Barris  
20 "The \_\_\_\_ afoot": A. C. Doyle  
21 First 4 words of message  
23 Charles Lamb  
24 The Bee Gees, e.g.
- 77 Skill  
78 Monastery head  
81 They go with "eithers"  
83 Like an old blotter  
85 Star \_\_\_\_  
86 Next 4 words of message  
93 High \_\_\_\_ (Anderson play)  
94 Travel with Killy  
95 Musical piece  
96 Half a train?  
97 Last 3 words of message  
101 Climb  
103 \_\_\_\_ a Hot Tin



For more information regarding this puzzle to: Secret Message, Games, 515 Madison Avenue, New York, NY 10022.

- 72 One Campbell  
73 Inwardly  
75 Relish
- 29 Kind of "iron" conjunction  
for the 44 Eccentric: Slang  
Steelers?

- 46 Podiatrist's concern  
48 Abominable Snowmen  
50 Connective cartilage  
51 Hamilton or Burr, in 1804  
52 Knight-\_\_\_\_  
55 Panzer vehicles  
56 Safecracker: Slang  
58 Send \$\$\$  
59 Dick and Jane's pet  
63 Yippee!  
64 Hamburger topper
- 65 KGB counterpart  
66 "Senator Sam" and kin  
71 Sweeney Todd prize  
73 Szechwan utensil  
74 F.D.R.'s "Blue Eagle"  
76 Hollywood studio monogram  
78 Charge!  
79 Workshoe  
80 Scold  
82 Impassive ones  
84 New Mexico state flowers  
86 Stamps of approval: Abbr.
- 87 Hayworth and Moreno  
88 "\_\_\_\_ the lord my soul to keep"  
89 Opposite of "ins"  
90 "\_\_\_\_ was 17, it was a . . ."  
91 Variety of Greek column  
92 Do, re, mi, etc.  
94 Transmit  
98 Ostrich's kin  
99 Mrs., on Majorca  
100 "For \_\_\_\_ a jolly . . ."  
101 Diplomat: Abbr.  
102 Poseidon's domain



# There's nothing to worry about on St. Sabatius. Nothing ever happens.



## The Peaceful Pearl of the D

Vital facts and statistics: "St. Saba

Automobiles	0	Hurricanes	0	Pol		Cuisine	U
Crime	0	Insects	0	Pol		Population	0
Crowding	0	Nightlife	0	Radio, TV	U		
Haste	0	Noise	0	Weather	0		



# Secret Message ★★★

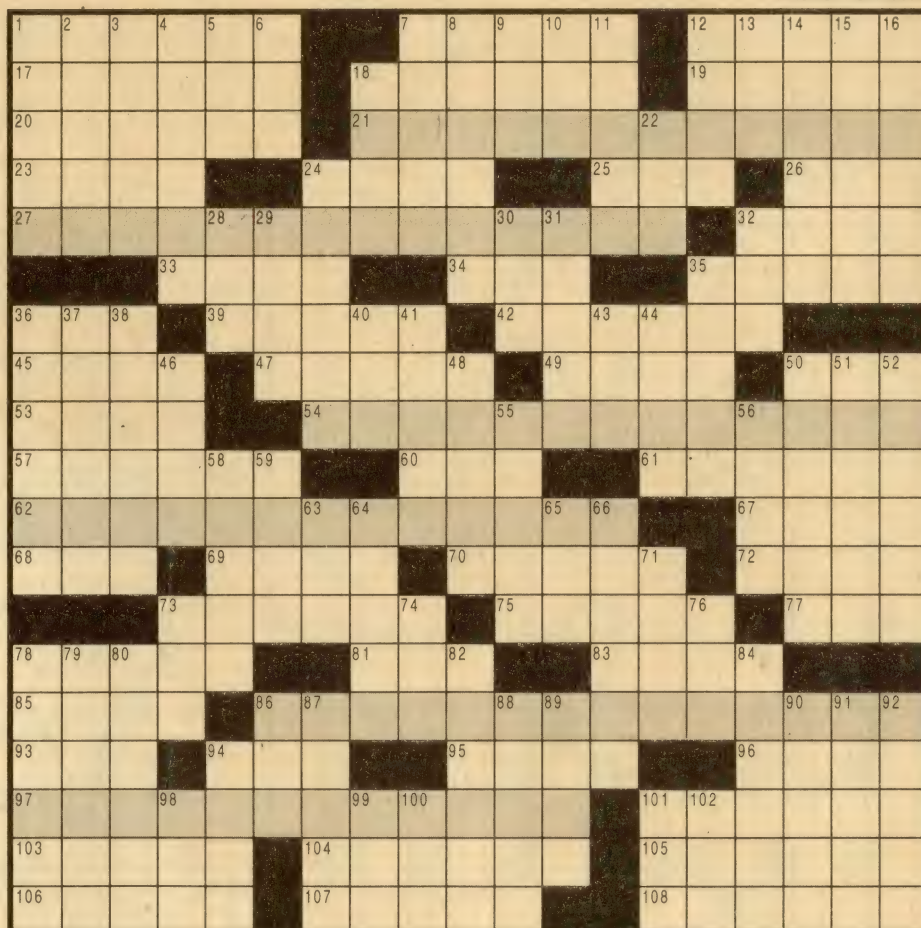
by Henry Hook

Answer next issue

## ACROSS

- 1 Rainstorm reminder  
7 Most, to McTavish  
12 Heston role  
17 "Roses \_\_\_\_\_"  
18 \_\_\_\_\_-down (used)  
19 TV's Mr. Barris  
20 "The \_\_\_\_\_ afoot": A. C. Doyle  
21 First 4 words of message  
23 Charles Lamb  
24 The Bee Gees, e.g.  
25 Cube root of 216  
26 You, in Anjou  
27 Next 3 words of message  
32 Ball-\_\_\_\_\_ hammer  
33 The olden days  
34 Numerical suffix  
35 Jerry, Betty, Jack, Susan, etc.  
36 Skilled sailors: Abbr.  
39 Heavy chiffon  
42 Twain character from Connecticut  
45 Fall faller  
47 "The hero of Manila"  
49 Word with dark or elbow  
50 Three after B  
53 It frames Leo's face  
54 Next 4 words of message  
57 Weasels' kin  
60 7th of a Greek 24some  
61 Guardian, at the zoo  
62 Next 2 words of message  
67 Babylonian goddess of healing  
68 Cobb, et al.  
69 Sound of suffering  
70 Dirndl  
72 One Campbell  
73 Inwardly  
75 Relish
- 77 Skill  
78 Monastery head  
81 They go with "eithers"  
83 Like an old blotter  
85 Star \_\_\_\_\_  
86 Next 4 words of message  
93 High \_\_\_\_\_ (Anderson play)  
94 Travel with Killy  
95 Musical piece  
96 Half a train?  
97 Last 3 words of message  
101 Climb  
103 \_\_\_\_\_ a Hot Tin Roof  
104 Certain palm trees  
105 "Baddie" in *The Yellow Submarine*  
106 Massage  
107 Smart-alecky  
108 ABCs
- 1 Start of a book  
2 Eurasian range  
3 Resign  
4 Dismal  
5 Necklace for a wahine  
6 Begley and Asner  
7 Puzo topic  
8 Tennis invitee  
9 Altar affirmative  
10 Dallas campus: Abbr.  
11 Brief and to the point  
12 12th century date  
13 Surprise cries  
14 Gold rush name  
15 Repeated  
16 Yarn purchases  
18 "Java" trumpeter  
22 Letter opener?  
24 \_\_\_\_\_ Christy Minstrels  
28 Electrode traveler  
29 Kind of "iron" for the Steelers?

## DOWN



Address all communications regarding this puzzle to: Secret Message, Games, 515 Madison Avenue, New York, NY 10022.

- 30 Miss Piggy's place?  
31 Fisherman's \_\_\_\_\_ (Frisco area)  
32 "Annabel Lee" poet  
35 Whom to "cherchez"  
36 Not quite  
37 *Heaven Can Wait* star  
38 Part-time department store help  
40 Be in debt  
41 Israeli desert traveler  
43 Negative conjunction  
44 Eccentric: Slang  
46 Podiatrist's concern  
48 Abominable Snowmen  
50 Connective cartilage  
51 Hamilton or Burr, in 1804  
52 Knight-\_\_\_\_\_  
55 Panzer vehicles  
56 Safecracker: Slang  
58 Send \$\$\$  
59 Dick and Jane's pet  
63 Yippee!  
64 Hamburger topper  
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66 "Senator Sam" and kin  
71 *Sweeney Todd* prize  
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92 Do, re, mi, etc.  
94 Transmit  
98 Ostrich's kin  
99 Mrs., on Majorca  
100 "For \_\_\_\_\_ a jolly \_\_\_\_\_"  
101 Diplomat: Abbr.  
102 Poseidon's domain



## Borderline Insanity ★★

### Four-Color Design Puzzles

by Raymond L. Haynes

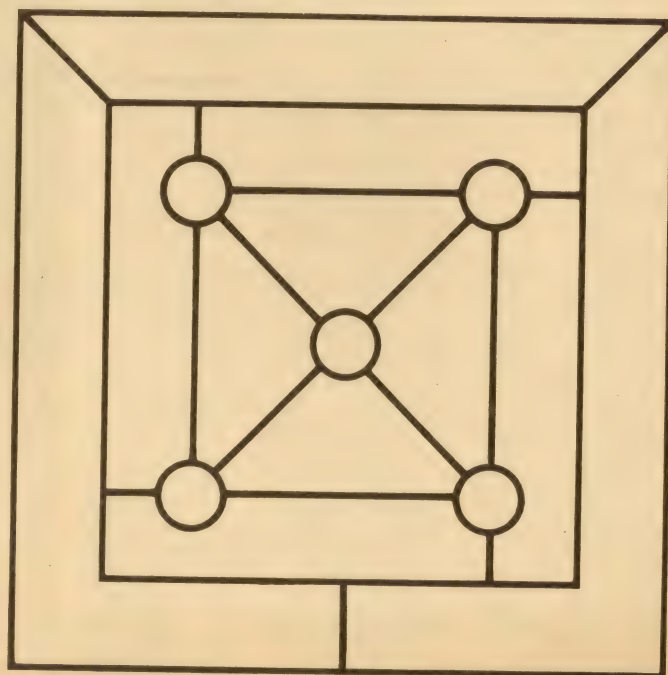
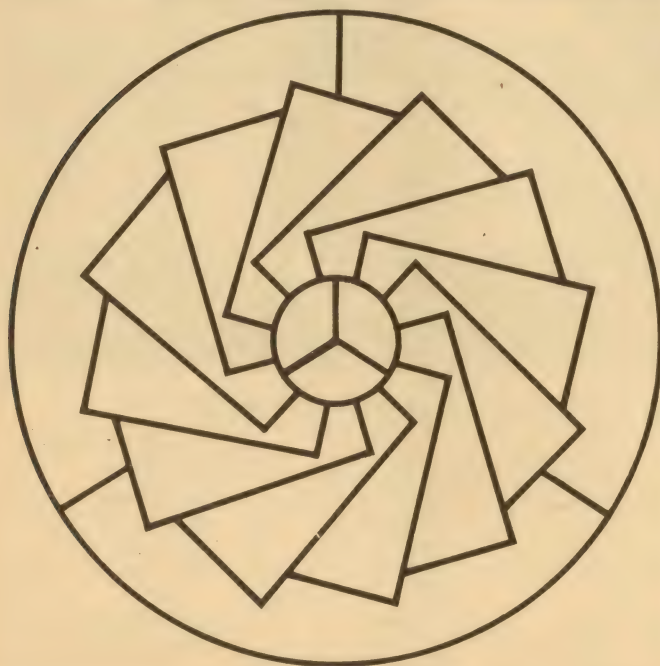
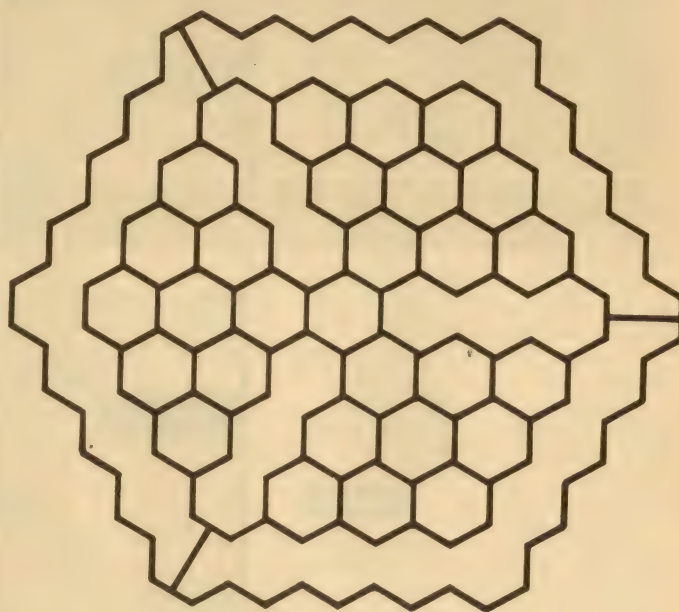
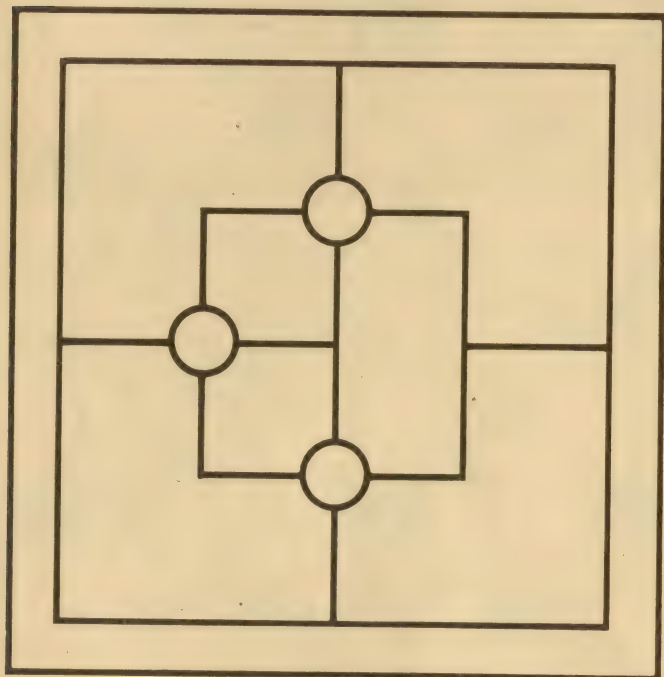
Mathematicians have never been able to prove—or disprove—the “four-color map theorem.” It states that *any* map can be filled in with no more than four colors in such a way that no two countries with common borders have the same color.

We were doodling during coffee break the other day, playing with topological patterns, and almost by chance hit upon a design that requires five colors. We were, to be sure, elated over this discovery that has eluded some of the world's great-

est mathematical minds. But the cleaning lady threw out our scribbles, and we can't for the life of us reconstruct the pattern. . . .

We would, however, like to show you a few of our “failures.” Alas, they can be filled in with only four colors. Use colored pencils, pens, or crayons (or simply the numbers 1, 2, 3, and 4), and *fill in the areas so that no two areas of like colors touch*. Multiple solutions are possible.

*Answer Drawer, page 71*





# Cryptic Crossword ★★★

by Will Shortz

The fun of cryptic crosswords lies in seeing through their tricks. Each clue, read literally, consists of: (1) a definition or direct reference to the answer, and (2) a second description of the answer through wordplay. Look for instructions in the clues to guide you.

If you are new to cryptic crosswords, here are some Pencil Pointers to help you get started. First, the most common and often easiest type of clue to solve is the anagram—a simple mix of letters. In anagram clues, the *actual letters* in the answer word appear in the clue along with a word or phrase that indicates these letters are to be rearranged.

In 1-Across in the Warmup Puzzle, the clue *seemingly* calls for a five-letter word meaning three-dimensional religious images. But break the clue mentally between the second and third words. The answer, **SOLID**, is defined by the second half ("having three dimensions") and described by the first half ("false idols," the word "false" signalling you to rearrange the letters of **IDOLS**).

Anagram indicators may be literal ("broken," "torn," "poor," "out of order," "upset," "off," and even "perhaps") or figurative ("rioting," "drunk," "at sea," and "needing repairs"). But they're always there no matter how disguised.

About 20 percent of cryptic clues normally contain an anagram, either fully or in combination with other wordplay. This month's puzzle has more than usual: **ACROSS**—1, 10, 12, 16, 18, 25, 28, 30; **DOWN**—7 (partial), 9, 19, 20 (partial), 21, and 23.

Other common types of clues are reversals (like **WOLF/FLOW**), homophones (**EWE/YOU**), and charades (**AT + ONE = ATONE**), which will be discussed in future issues.

## ACROSS

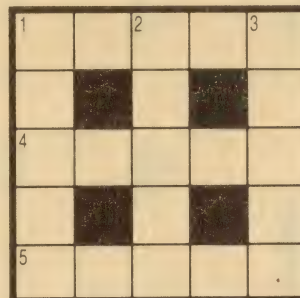
- 1 Annie's cracked nuts (6)
- 4 Ms. Midler is about to jog with a brown-haired woman (8)
- 10 Soundly defeat the counter-revolutionary (7)
- 11 The windstorm above is in a recurring pattern (7)
- 12 Visionary laid cities in ruin (10)
- 13 Outdo to attend (4)
- 15 Sat back after ten little bits (5)
- 16 Four start replacing artificial grass (9)
- 18 Once we mix cocktail in southwestern state (3, 6)
- 22 Abstain from pro travel (5)
- 24 Pinocchio at times heard a stringed instrument (4)
- 25 Safeguard from
- unoperatic failure (10)
- 27 Write a halfway common model (7)
- 28 Tapered off unnecessary regulations (3, 4)
- 29 Stay awhile, that is in the ladies' clothes department (8)
- 30 Terrible dreads of snakes (6)

## DOWN

- 1 Hunch where a large part of a college student's money goes (9)
- 2 Most sluggish sprinter started at the very bottom (7)
- 3 Subtracted? At a loss! (10)
- 5 Usher again, they say, provides a sales slip (7)
- 6 Pleasant French city (4)
- 7 Author perhaps penned the
- foremost of essays! (7)
- 8 Choose an excerpt from the lecture (5)
- 9 His age troubled the Japanese girl (6)
- 14 Dad-blamed prisoner established an institution (10)
- 17 Thrashes helplessly with marine fishes (9)
- 19 Mark won in a tussle with laborer (7)
- 20 Begin, for example, to put ones around laser scrambler (7)
- 21 Stumbling across film awards (6)
- 23 I eat & run—will turn into wreck! (7)
- 24 Made for dieters in the immediate area (5)
- 26 Central European cord (4)

## Warmup Puzzle for New Solvers ★

with detailed explanations in Answer Drawer, page 71

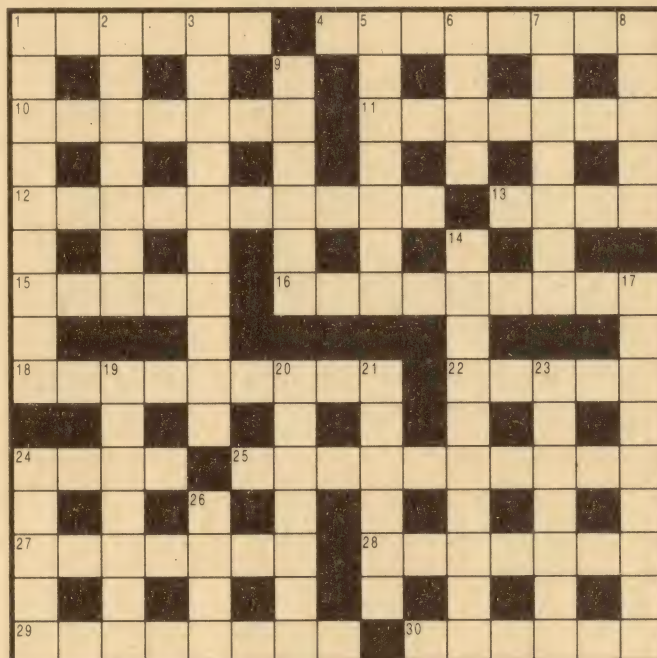


## ACROSS

- 1 False idols having three dimensions (5) *anagram*
- 4 Place to hide money, they say (5) *homophone*
- 5 Also dashes carrying soft drinks (5) *concealed word*

## DOWN

- 1 Boxes stockings (5) *second definition*
- 2 Frilly decal is put up (5) *reversal*
- 3 Clothing for "Doctor S" (5) *charade*



Answer Drawer, page 71

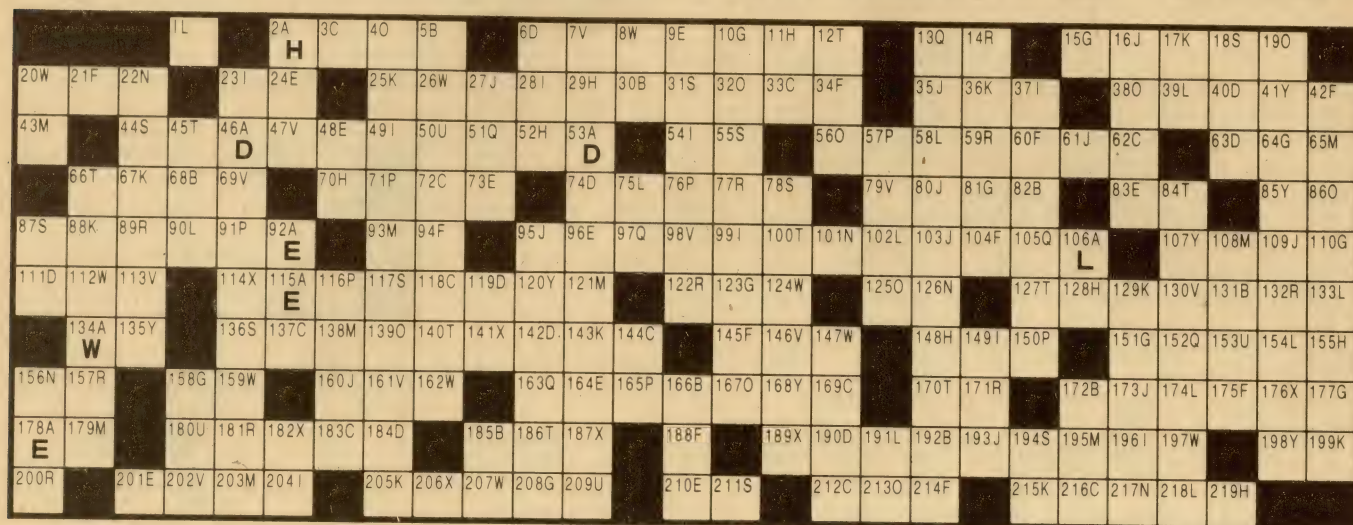


# Double Cross ★★

by Michael Ashley

Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the dashes to the correspondingly numbered squares in the puzzle grid to spell a quotation reading from left to right. Black squares separate words

in the quotation. Work back and forth between grid and word list to complete the puzzle. When you are done, the initial letters of the words in the word list will spell the name of the author and the source of the quotation. Answer Drawer, page 70



	W	H	E	E	D	L	E	D
A. Coaxed; cajoled .....	134	2	115	178	53	106	92	46
B. Goal; aim .....	131	185	166	5	172	82	68	192
C. Conspicuous; prominent .....	216	137	212	72	169	3	118	144
D. Common weed .....	6	63	74	119	40	142	111	190
E. Rare element .....	24	73	201	96	48	210	9	164
F. Trial; tribulation .....	145	21	94	175	188	104	34	60
G. Non-sailor, to a sailor .....	208	81	64	10	110	158	15	151
H. Pants for a snowsuit .....	70	11	29	219	128	52	155	148
I. Lung disease .....	196	23	99	149	204	49	37	54
J. Like a terrible dream .....	61	193	27	173	160	95	109	16
K. Steady, alert watch; 2 wds. ....	205	17	67	88	36	25	129	143
L. Spanish tribunal of the 13th century .....	174	191	90	154	1	102	58	133
M. Performed in a ballet: hyph. wd. ....	43	93	108	121	138	179	195	203
N. Easily offended; touchy .....	156	217	22	126	101			
O. Employed to excess, like a cliché .....	213	4	167	86	56	125	139	19
P. Offense; annoyance .....	91	116	165	57	71	76	150	
Q. Turkish tribes .....	13	51	97	105	152	163		
R. Outspoken; straightforward .....	171	14	200	59	77	132	89	181
S. Poise; inner calmness .....	211	136	44	18	194	117	31	87
T. Without water, chemically .....	127	45	100	84	12	140	170	186
U. Amphibian .....	50	153	180	209				
V. Like a compound word .....	161	113	130	202	7	146	98	79
W. Final result; 2 wds. ....	162	26	197	159	124	20	147	207
X. British soldier .....	114	141	176	189	206	182	187	
Y. Shrill scream .....	41	85	107	120	135	168	198	



## The Anagram Game ★★

by Wayne Williams

The letters of A + COINS can be rearranged to spell the card game CASINO. What game or sport is an anagram of each of the following pairings of letters and words?



Answer Drawer, page 71

- A + COINS = C A S I N O
- B + DIRGE = \_ \_ \_ \_ \_
- C + PINHOLE = \_ \_ \_ \_ \_
- D + SLIDER = \_ \_ \_ \_ \_
- E + PORK = \_ \_ \_ \_ \_
- F + OAR = \_ \_ \_ \_ \_
- G + RUBY = \_ \_ \_ \_ \_
- H + STARE = \_ \_ \_ \_ \_
- I + GINKS = \_ \_ \_ \_ \_
- J + CASK = \_ \_ \_ \_ \_
- K + SCREECH = \_ \_ \_ \_ \_
- L + FOG = \_ \_ \_ \_ \_
- M + BLARES = \_ \_ \_ \_ \_
- N + STEIN = \_ \_ \_ \_ \_
- O + MISDONE = \_ \_ \_ \_ \_
- P + SCAR = \_ \_ \_ \_ \_
- Q + CROUTE = \_ \_ \_ \_ \_
- R + SOLACES = \_ \_ \_ \_ \_
- S + WITH = \_ \_ \_ \_ \_
- T + TOOL = \_ \_ \_ \_ \_
- U + CHEER = \_ \_ \_ \_ \_
- V + SNAKE = \_ \_ \_ \_ \_
- W + GOBLIN = \_ \_ \_ \_ \_
- X + BINGO = \_ \_ \_ \_ \_
- Y + CHOKE = \_ \_ \_ \_ \_
- Z + SEAM = \_ \_ \_ \_ \_

## FOLD THIS PAGE

## The World's Most Ornery Crossword Puzzle

The puzzle on this and the following pages has two sets of clues: "Hard" and "Easy." If you use only the Hard Clues (below, and beneath the diagram on the following right-hand page), you'll find this puzzle most challenging. But there's also a set of easier clues (on the following left-hand page). You may prefer to keep them hidden by folding this page on the dashed line, tucking this side under, and then turning the page. To peek or not to peek is up to you.

## Moving Day

by William Lutwiniak

Hard Clues ★★★

### ACROSS

- 1 Singer Jaye P. \_\_\_\_\_
- 7 Linguistic base
- 12 Grass stalks
- 17 Ghastly
- 21 Inflict a penalty
- 22 Overplay
- 23 One of the Roosevelts
- 24 Crop up
- 25 Callous
- 27 Contingent offers
- 29 In reserve
- 30 Man of property
- 31 Trios
- 32 Peers
- 33 Juan's son
- 34 Whispered comment
- 35 "\_\_\_\_\_ not to reason..."
- 36 Emphasize
- 37 Bridge parts
- 38 Star of *Camille*
- 39 Cockfighting matches
- 40 Relatively unknown
- 43 Specific instance
- 46 Alehouse
- 49 Cornhouse
- 50 Nick and Nora's pet
- 51 Dwarfish
- 52 Glut
- 53 Delight
- 54 Drafted
- 56 Achieved
- 57 Ex \_\_\_\_\_ (legal term)
- 58 Yawning widely
- 59 "Our \_\_\_\_\_ are our gardens..." Shakespeare
- 60 Bonbon
- 61 Portrait subject
- 62 Oxford fellows
- 63 Kind of card
- 64 Chauvinist
- 65 Certain ornamental garden
- 66 Finale
- 67 Skirt styles
- 70 Adjudges: Scot. law
- 71 Most gaunt
- 74 Novelist Remarque
- 75 Loosened soil
- 76 Island dresses
- 77 It takes a beating
- 79 Mash; paste
- 82 Throw out, old style
- 83 Pirogue
- 84 Wash out
- 85 Biblical name
- 86 Locomotive
- 87 Musical piece
- 88 Great Lakes port
- 90 Goodly
- 91 Estradas
- 92 Surrendered
- 93 Tooth fillings
- 94 Good luck charm, of sorts
- 95 Exhort
- 96 Spotless
- 97 Imminent
- 98 Côte d'Azur locale
- 99 Dundee turndown
- 100 Turns in
- 103 Kneepan
- 104 Strollers
- 106 Smartypants
- 107 Heavenly gatekeeper
- 108 Sugar in coffee, e.g.
- 110 Vamoose
- 112 Taproom orders
- 113 Composer Khachaturian
- 117 In the end
- 118 Illuminated by Sol
- 119 Hadji's destination
- 120 Ear parts
- 121 Dickensian hero
- 123 Child's toy
- 125 Rope strands
- 126 Annie, of song
- 127 To the least degree
- 128 Secret; hidden
- 129 Beholds
- 130 Had weapons
- 131 Heredity factors
- 132 "Old hat" hat

### DOWN

- 1 French city
- 2 Saudi's neighbor
- 3 Pine product
- 4 El \_\_\_\_\_
- 5 Soreness
- 6 Educators' grp.
- 7 Chianti, e.g.
- 8 Redresses
- 9 Receiver
- 10 Where Nero trod
- 11 Struck out
- 12 Kind of trumpet
- 13 Worrier's worry?
- 14 Fancies
- 15 New Zealand birds
- 16 British pound: Abbr.
- 17 Loons' cousins
- 18 Money in Tehran
- 19 Man and Wight
- 20 Shambles
- 23 Youths of ancient Greece
- 24 Prettify
- 26 String of beads
- 28 A real thing
- 31 Floss
- 34 Venezuelan state
- 35 Samples
- 36 Baseball's Ron
- 37 Richter or Mohs





## The Easy Clues for the World's Most Ornerly Crossword Puzzle

Incorporating anagrams and other wordplay in *italics* following the clues. (Don't peek until you read page 45)

★

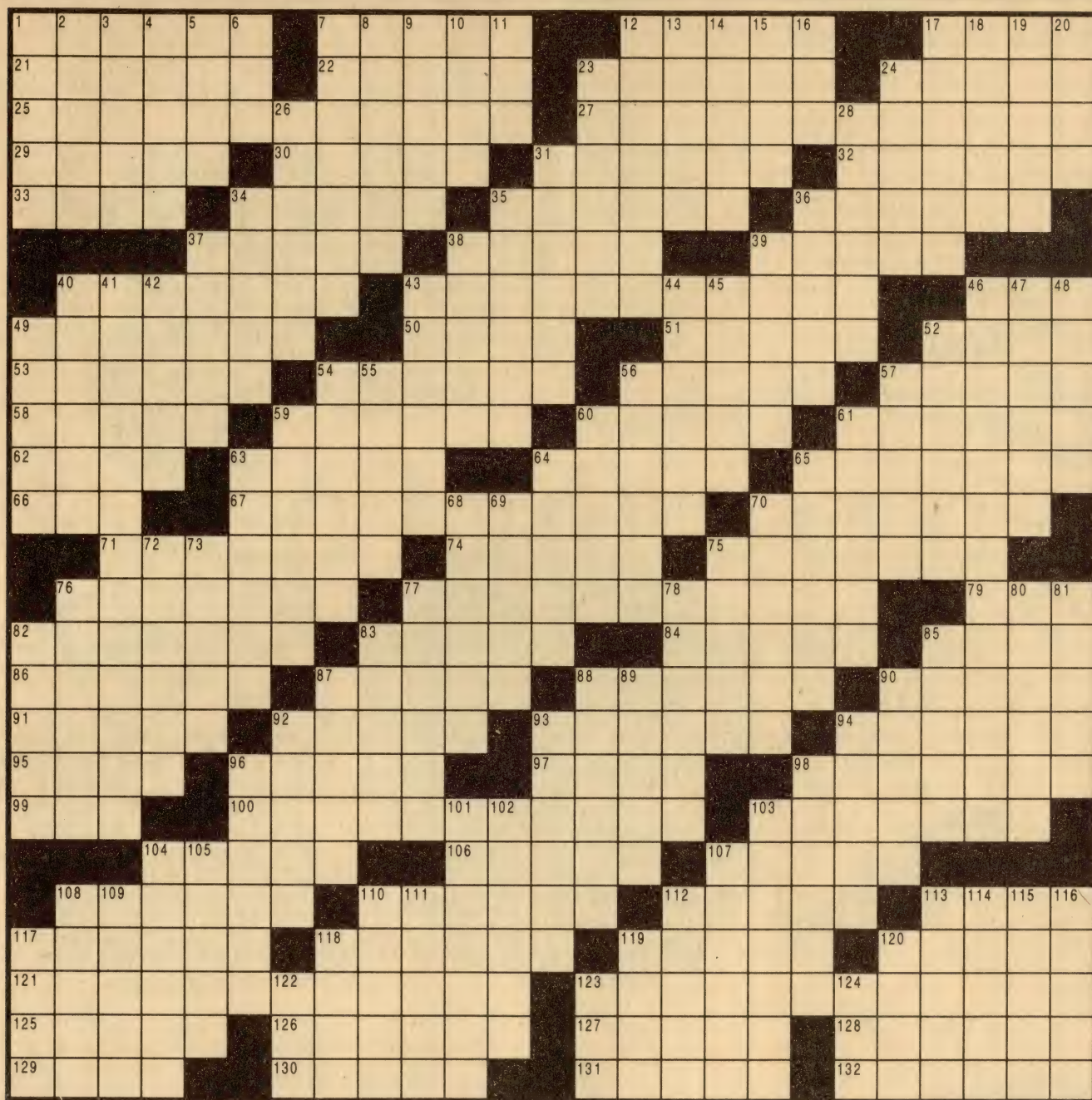
### ACROSS

- |  |   |  |   |   |  |
|--|---|--|---|---|--|
| 1 Financier J.P.                                       | 60 Gumdrops, for example                              | 98 Jet-setter's vacation spot                          | 6 Teachers' org.  | 46 Essential portion: 3 wds.                      | 83 Musical endings                             |
| 7 Plant root ( <i>ten in Rome after a nasty raid</i> ) | 61 House or baby caretaker                            | 99 No: Scot.   | 7 Burgundy or port: 2 wds.                                  | 47 Speaks   | 85 Actor Rathbone                              |
| 12 Coal screenings                                     | 62 Ameche and Juan                                    | 100 Goes to bed: 3 wds.                                | 8 Puts right, corrects                                      | 48 Noah or Wallace                                | 87 Encounters                                  |
| 17 Bleak, cruel  | 63 Gypsy's card                                       | 103 Kneecap ( <i>Mrs. Nixon joins Ms. Fitzgerald</i> ) | 9 Gift recipient  | 49 Make the ____ (succeed)                        | 88 Short play: 2 wds.                          |
| 21 Impose a fine ( <i>Me race? Crazy!</i> )            | 64 Warmonger  | 104 Perambulators, for short                           | 10 Roman road (turn <i>rite</i> )                           | 52 <i>Saturday Night Live</i> humor               | 89 Careless, relaxed                           |
| 22 Ham it up   | 65 Ornamental shrubbery                               | 106 Smart ____   | 11 Canceled   | 54 Bog, marsh                                     | 90 Tennis's Rod                                |
| 23 Actor ____  | 66 Finish   | 107 O'Toole or Nero                                    | 12 Trumpet call   | 55 Take on, embrace                               | 92 Climate: Poet.                              |
| 24 Get up  | 67 Encircling skirts                                  | 108 Dissolved substance ( <i>tousled tousle</i> )      | 13 Stomach disorder   | 56 Mahatma or Indira                              | 93 Put in, enter                               |
| 25 Like steel  | 70 Distinguishes, old style ( <i>badly screen'd</i> ) | 110 Leave, go  | 14 Is fond of   | 57 Glass tube                                     | 94 Small creatures                             |
| 27 Certain business transactions: 2 wds.               | 71 Least fleshy                                       | 112 Half quarts  | 15 Birds (make <i>Amos</i> upset)                           | 59 Sheer fabric ( <i>Gee! Bar is unruly!</i> )    | 96 Talkative                                   |
| 29 Frozen: 2 wds.                                      | 74 Author ____ Segal                                  | 113 Syria, once ( <i>a male sheep</i> )                | 16 Kind of silver: Abbr.                                    | 60 Sure thing                                     | 98 Wickerwork material                         |
| 30 Proprietor  | 75 Exposed to air                                     | 117 Finally: 2 wds.                                    | 17 Divers (Knocked over <i>G's beer</i> )                   | 61 Land tenure term (muddled a <i>sec' ago</i> )  | 101 Genetic term ( <i>Oh! Plaid is wild!</i> ) |
| 31 Two's company, ____ a crowd                         | 76 Dorothy Lamour wear                                | 118 Receiving solar rays                               | 18 Iranian coins (part of <i>materials</i> )                | 63 Pang, as of pain                               | 102 Actress-director May                       |
| 32 Duke and earl                                       | 77 Training target for Ali: 2 wds.                    | 119 Moslem holy city                                   | 19 Capri and Emerald  | 64 Fruit squeezings                               | 103 "No more ____ no more books..."            |
| 33 Child: Sp.  | 79 Baby food  | 120 ____-comedy  | 20 Army chow  | 65 Monster: Prefix ( <i>to tear madly about</i> ) | 104 DC-10, 727, etc.                           |
| 34 Next to   | 82 Discharge: Obs. ( <i>Injured Roger, e.g.</i> )     | 121 Hero of <i>A Tale of Two Cities</i> : 2 wds.       | 23 Athenian youths of yore ( <i>amidst sleep he bites</i> ) | 68 Got together, as old grads                     | 105 Tricks                                     |
| 35 Not ours  | 83 Hiawatha's boat                                    | 123 Child's pop-up toy                                 | 24 Decorate   | 69 "To be ____ to be": 2 wds.                     | 107 Dill or gherkin                            |
| 36 Strain  | 84 Cleanse ( <i>Lu, tee off!</i> )                    | 125 Folds of cloth                                     | 26 Holy beads   | 70 Removes listening devices                      | 108 Fashion; mode                              |
| 37 Stretches across                                    | 85 Romanian money (begins in <i>banishment</i> )      | 126 Annie or Piper                                     | 28 Being  | 72 Alloy ( <i>I can join wild rodeo</i> )         | 109 "Golden" tune                              |
| 38 She "yanted" to be alone                            | 86 Fireman's vehicle                                  | 127 To any extent: 2 wds.                              | 31 Needle's partner   | 73 Norse Fates ( <i>Negative nurses</i> )         | 110 Kind of wheat                              |
| 39 Water pipes   | 87 Sacred song  | 128 Esoteric   | 34 Venezuelan river (repairs <i>are up</i> )                | 75 Awry: Scot. ( <i>lay, e.g. crazily</i> )       | 111 ____ nous (between us)                     |
| 40 Indistinct  | 88 New York city                                      | 129 Looks  | 35 Tests the wine   | 76 Senorita's mama                                | 112 Pie nut                                    |
| 43 Subject at hand: 3 wds.                             | 90 Ambassador-at-____                                 | 130 One-____ bandit                                    | 36 ____ Domingo   | 77 Inventor's protection                          | 113 Palm tree (in <i>spare cash</i> )          |
| 46 English saloon                                      | 91 They all led to Rome                               | 131 Tierney and Kelly                                  | 37 Fish "skin"  | 78 New Jersey airport                             | 114 Moroccan capital (disturbs a <i>brat</i> ) |
| 49 Silo  | 92 Yielded on a point                                 | 132 Stiff straw hat                                    | 38 Quebec peninsula ( <i>twist pages</i> )                  | 80 Long-haired cat                                | 115 Past: Obs.                                 |
| 50 Movie dog   | 93 Does mosaic work                                   |  | 39 Like some juleps   | 81 Art theme ( <i>I tape reels</i> )              | 116 Blender                                    |
| 51 Undersized  | 94 Team's pet   |  | 40 Western state  | 82 Second showing on TV                           | 117 Poisonous snakes                           |
| 52 Satisfy   | 95 Egg on   |  | 41 All one's belongings: 3 wds.                             |   | 118 West German state (shakes <i>Sara</i> )    |
| 53 Entertain, as with stories                          | 96 Come ____ (confess)                                |  | 42 Takes a picture  |   | 119 Spouse                                     |
| 54 Made a chart  | 97 Close by   |  | 43 Per ____ (each)  |   | 120 "...comin' ____ the rye..."                |
| 56 Reached: 2 wds.                                     |   |  | 44 Tines  |   | 122 College Language Association: Abbr.        |
| 57 Ex ____ (one-sided)                                 |   |  | 45 Perform better than                                      |   | 123 Spree                                      |
| 58 Wide open   |   |  |   |   | 124 Actor Hunter                               |
| 59 Torsos  |   |  |   |   |  |

### DOWN

- 1 Georgia city
- 2 Native of Muscat (*Back in a mo'!*)
- 3 Tree extract
- 4 Dancer José \_\_\_\_
- 5 Hurt





Answer Drawer, page 71

## Hard Clues (cont.)

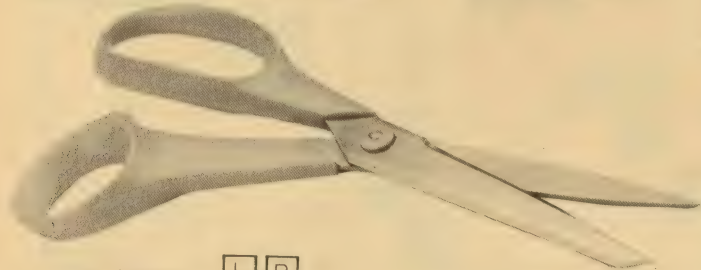
- |                               |                                   |                                   |                                |                                |   |
|-------------------------------|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|---|
| <b>38</b> Canadian gulf       | <b>54</b> Difficult situation     | <b>65</b> Monstrosity: Prefix     | <b>81</b> Famed sculpture      | <b>98</b> Cane                 | <b>113</b> Betel palm                   |
| <b>39</b> Like menthol        | <b>55</b> Welcome, select         | <b>68</b> Assembled at Alma Mater | <b>82</b> Late, late show fare | <b>101</b> Diploid, halved     | <b>114</b> City northeast of Casablanca |
| <b>40</b> Eugene's "home"     | <b>56</b> Famed Indian statesman  | <b>69</b> Believe it —            | <b>83</b> Musical passages     | <b>102</b> She loved Lancelot  | <b>115</b> Ago, long ago                |
| <b>41</b> Completely          | <b>57</b> Tube used in measuring  | <b>70</b> Fumigates?              | <b>85</b> Garden herb          | <b>103</b> Editors' needs      | <b>116</b> College social               |
| <b>42</b> Pushovers           | <b>58</b> Gauzy fabric            | <b>72</b> Copper-zinc alloy       | <b>87</b> Assembles            | <b>104</b> B-29 and L-1011     | <b>117</b> Snakes                       |
| <b>43</b> Heads: Anat.        | <b>59</b> A breeze, in a way      | <b>73</b> Skuld, et al.           | <b>88</b> Kind of play         | <b>105</b> Stratagems          | <b>118</b> Moselle feeder               |
| <b>44</b> Fork parts          | <b>60</b> Feudal system           | <b>75</b> Off to one side: Scot.  | <b>89</b> Inactive             | <b>107</b> In a — (in trouble) | <b>119</b> Bloke's buddy                |
| <b>45</b> Top                 | <b>61</b> Qualm, as of conscience | <b>76</b> Castilian lady          | <b>90</b> Tennis star          | <b>108</b> Genre               | <b>120</b> Through, old style           |
| <b>46</b> Constituent portion | <b>63</b> Electric: Sl.           | <b>77</b> Bald, as a lie          | <b>92</b> Region, to the poets | <b>109</b> "Stardust," e.g.    | <b>122</b> Campus linguistic org.       |
| <b>47</b> Intones             |                                   | <b>78</b> New Jersey city         | <b>93</b> Introduce            | <b>110</b> Whence spaghetti    | <b>123</b> Fancy car, for short         |
| <b>48</b> Topsy               |                                   | <b>80</b> Mohair                  | <b>94</b> Small contributions  | <b>111</b> Between, to Jacques | <b>124</b> Check                        |
| <b>49</b> Level               |                                   |                                   | <b>96</b> Garrulous            | <b>112</b> Nut                 |   |
| <b>52</b> Swift's forte       |                                   |                                   |                                |                                |   |



## On the Other Hand \*\*

### A Logic Test with Photographs

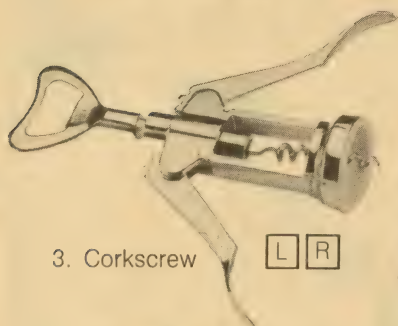
This quiz was inspired by a catalogue from a company known as "The Left Hand," which sells nothing but products for left-handed people. We borrowed some items from their stock recently, along with some right-handed articles from friends, and took the photographs you see below. Using observation and logic, can you ascertain which objects are for right-handed folks and which are for southpaws? *Answer Drawer, page 72*



1. Shears ☐ L ☐ R



2. Camera ☐ L ☐ R



3. Corkscrew ☐ L ☐ R



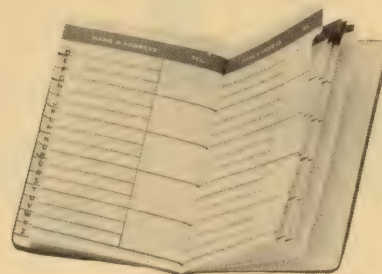
6. Baseball glove ☐ L ☐ R



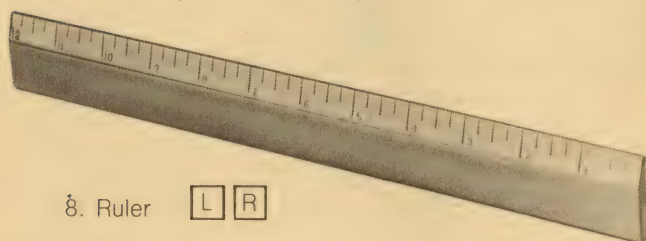
4. Wristwatch ☐ L ☐ R



5. Pocket knife ☐ L ☐ R



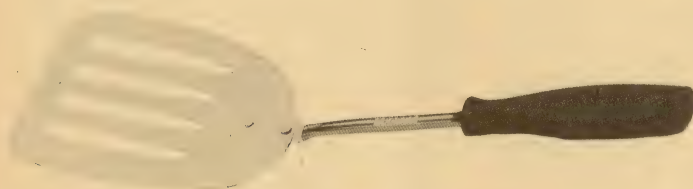
7. Address book ☐ L ☐ R



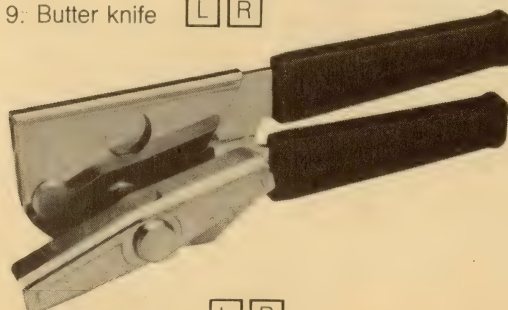
8. Ruler ☐ L ☐ R



9. Butter knife ☐ L ☐ R



10. Spatula ☐ L ☐ R



11. Can opener ☐ L ☐ R





# Golden Lights® ends every-which-way search for taste.

With 75 low tar products to choose from, over 1 million smokers switched to Golden Lights... often after just one pack.



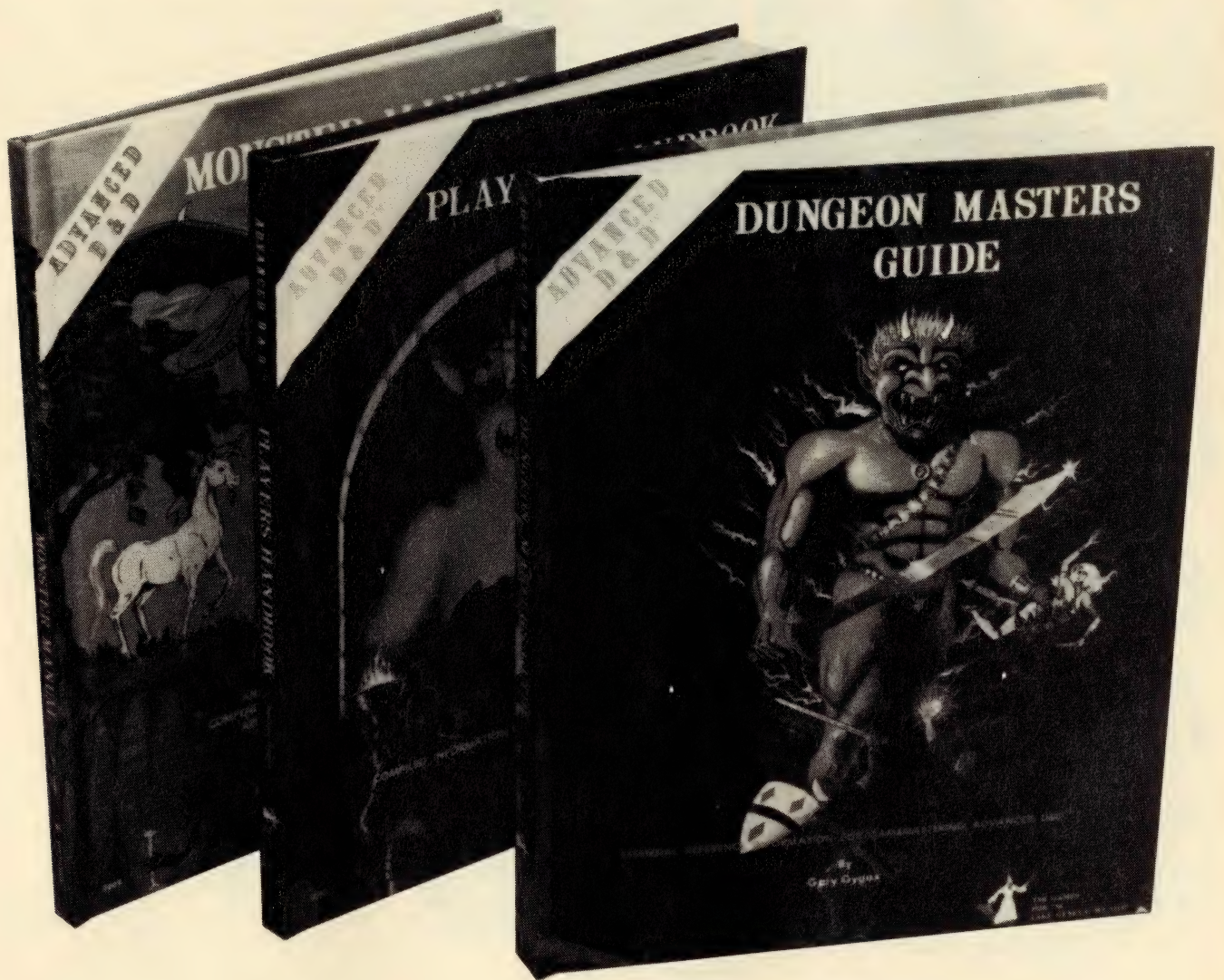
Golden Lights.  
The taste you'll swear by...  
not at.

Warning: The Surgeon General Has Determined That Cigarette Smoking Is Dangerous to Your Health.

Source comparative 'tar' and nicotine figures: Either FTC Report May 1978, or FTC Method.  
Of All Brands Sold: Lowest tar: 0.5 mg. 'tar,' 0.05 mg. nicotine av. per cigarette.  
Golden Lights: 8 mg. 'tar,' 0.7 mg. nicotine av. per cigarette by FTC Method.



# THE ULTIMATE



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# A GAMES 4-IN-1 CONTEST



## Just predict how many people will enter.

**Four Grand Prizes** Cash amounts to be determined by the number of entries and the size of the guesses.

Pick a number from 1 to 99,999. Mail it in with a completed entry blank. That's all you have to do for a chance to win a prize.

Is the best strategy simply to pick some numbers at random and send in many different entries? Possibly, but consider this: *the number you select will have a direct effect both on the "right answer" and the size of the cash prize in each category.* Since the object is, in part, to predict the number of people who will enter this contest, you might also consider that the response to previous *Games* contests has ranged from as few as 68 to as many as 40,000 entries.

There will be a grand prize in each of the following categories:

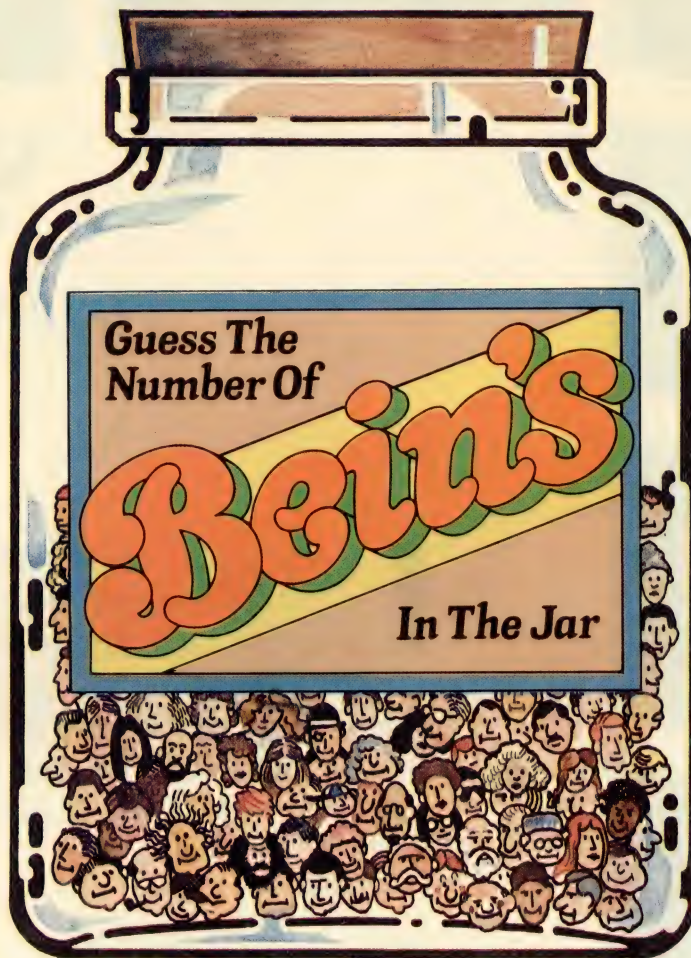
**1 Guessing the number of entries in this contest.** The person who comes closest to guessing the exact number of entries sent in before the deadline will win a *penny for every entry that is submitted*. For example, if your guess of 20,437 turns out to be the closest and wins in this category, and the actual number of entries received was 20,436, you will win \$204.36.

**2 Coming closest to the mean (or average) guess.** The person whose entry comes closest to stating the arithmetic mean of all the guesses will win *the penny value of the mean guess*. The mean will be computed by adding up the guesses on all entries and dividing by the total number of entries.

**3 Being the median guess.** The person whose entry represents the median guess will win *the penny value of the median guess*. The median guess will be the one that would stand exactly in the middle if all entries were arranged from lowest to highest—that is, the median guess is the one for which it can be said that there were the same number of higher (or equal) guesses as there were lower (or equal) guesses in the total batch of entries.

**4 Naming the least frequently guessed last three digits.** The entry or entries ending in the least frequently guessed three-digit sequence will win or share *the dollar value of that three-digit number*. For example, if yours was the only entry having 203 as its last three digits, and all other combinations of last three digits were either guessed by more than one person or not guessed by anyone, you would win \$203.

**Ties.** If in any category two or more entries tie for the grand prize, a single prize in that category will be divided evenly among them. But in the case of the third category, if the winning entries span two different numbers, the penny values of the *average* of those two numbers will be divided evenly among the claimants of those two numbers. And in



the case of the fourth category, if two or more sets of last three digits tie for lowest frequency, the *highest* of all the tying three-digit numbers will be the winning number. The dollar value of this winning number will then be won only by the person whose entry ended in it (or divided equally among those whose entries ended in it).

**Requirements.** Entries, to be valid: (i) must arrive by mail, with postage having been paid by an adhesive postage stamp affixed to the envelope (rather than by metered postage or government franking privileges); (ii) must have the number guessed written legibly on the reverse side of the envelope; and (iii) must be received no later than 5:00 P.M., Eastern Standard Time, April 1, 1980. It is permissible to enter any number of times, but each entry must be mailed under separate cover.

**Invalid entries.** Entries will not be opened prior to selection of winners. Any envelope which does not have the number

guessed written on the outside will not be counted as an entry; nor will any number inside it be used in computing the winning numbers; nor can it win a prize. If an entry chosen as a winner, upon being opened, is found to be defective in some way—e.g., is lacking a name or address—it will not win a prize, but it will be counted as a valid entry for all computational purposes. In such a case, the prize will go to the entry or entries next closest to satisfying the winning requirements for the category in question.

Entries will be judged under the supervision of Fulfillment Services, Inc., an independent organization whose decisions will be final.

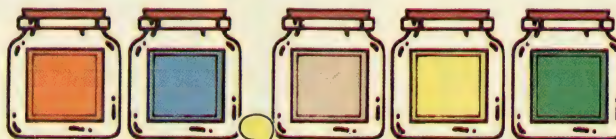
Clip or copy this coupon and mail to this special address: **Guess-the-Number-of-Entries Contest, Games Magazine, P.O. Box 2008, New Rochelle, NY 10802.**

Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

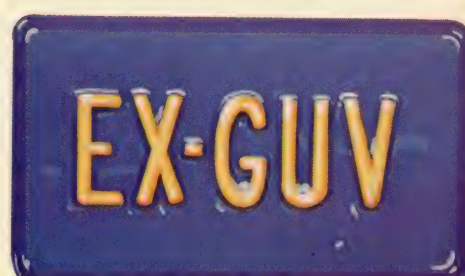
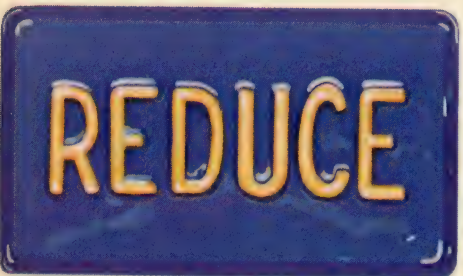
Number guessed:



Enter any number up to 99,999, one digit per jar. (Whole numbers only; no fractions allowed.) This number must *also* appear on the reverse side of your envelope. Entries must be received by 5:00 P.M. EST, April 1, 1980.

Illustrations by David Herbrick





# WHO

## The Great American

**L**ate flash: The game of deciphering license plates has recently nosed ahead of cow-counting as the nation's number-one highway pastime. Horning in on a fad that reportedly began atop the bumpers of Hollywood celebrities, almost every state of the Union now allows motorists (for a price) to sport their own combi-

---

Dean Martin  
Ernest Borgnine  
Bela Lugosi, Jr.  
Brent Madill,  
optometrist  
Walter Matthau

Jack Daniels  
Frederick Hanson,  
obstetrician  
Flip Wilson  
Rolan Martin,  
car dealer

---





# AM I?\*

## License Plate Game

nations of letters and numbers.

Most of the license plates depicted here are taken from the book *Those Crazy License Plates* by David Graham. All of them are real (most from Hollywood), and they belong to the real people listed below in no particular order. Can you match the plates with their correct owners?

*Answer Drawer, page 72*

William Conrad  
June Allison  
Lyle Waggoner  
Jack LaLanne  
Bill Seltzer  
Lawrence Welk

Melanie Mayron, rising  
star of *Girl Friends*  
Arnold Wise  
Liberace  
Edmund "Pat" Brown  
Willie Mays



*Sean Daly © 77*



# GAMES & BOOKS

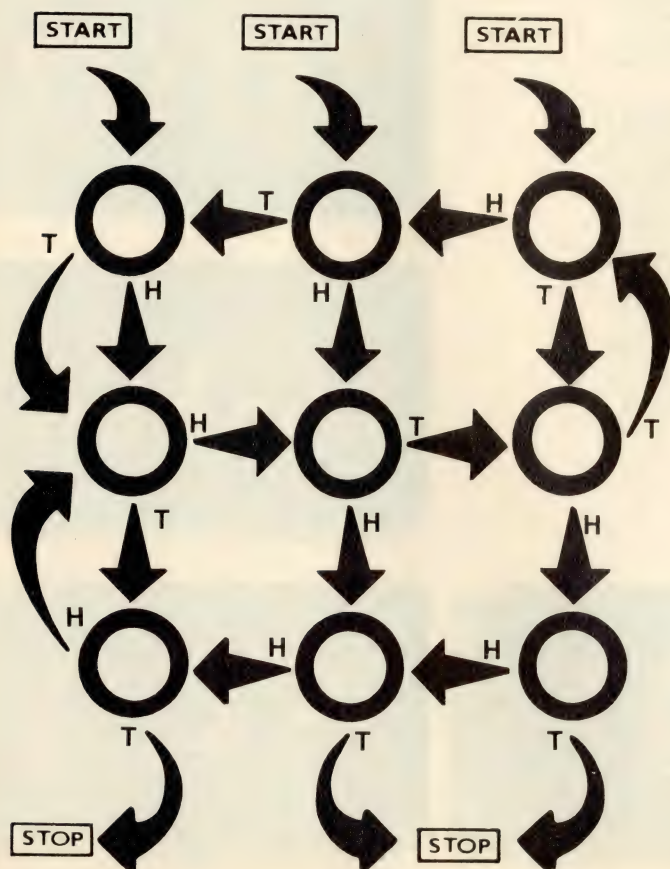
Edited by Phil Wiswell

**Computer Coin Games** by Joe Weisbecker (Creative Computing Press, P.O. Box 789-M, Morristown, NJ 07960, 1979, 78 pages, paperback, \$3.95 plus 75¢ for postage and handling).

A collection of games, puzzles, and experiments with simple rules and full-size playing boards make this little book an entertaining and educational guide to the nature of binary numbers and computer circuits. Whether or not you have any experience with computer technology, you'll be both amazed and delighted by the simplicity of the format and the complexity of the play. Try this version of Tic Tac Toe—all you'll need is some common cents. —B.D.K.

## Rules

To begin, place pennies tails up in all nine circles. Two players then alternate turns. In turn, follow an arrow from one of the start positions to a penny, flip the penny over, and follow the arrow labeled the same (heads or tails) as the penny just flipped to the next penny, flip it over, etc., until you reach one of the stop positions. The first player to *end* his turn with three heads-up pennies in a row is the winner.



**The Great Bridge Conspiracy** by Terry Quinn (St. Martin's Press, 1979, 196 pages, hardcover, \$9.95).

Captain Diggery Piper (some of whose incredible bridge exploits have already been recorded in *Games*) and Terence Daniel Kane, a mail clerk turned bridge fiend, are the two central characters in this semi-fantasy, espionage-cum-mystery novel staged in the milieu of organized bridge competition. As in many of Alistair Maclean's popular books, the pace is helter-skelter, allegiances of the protagonists are initially unknown, and an eventual super-surprise ending clarifies not quite everything.

Games of one sort or another frequently play a role in less serious spy novels. James Bond will outwit a villain at anything from Go Fish to three-dimensional chess. But rarely does the game itself account for as much of the action as it does in this novel. Not only are the settings for most scenes related to tournament bridge, but there is plenty of actual play. And although novice players might find the going tough in places, the author has provided surprisingly well for those readers whose experiences are limited to the home or club rubber table. Detailed explanations accompany most situations.

*Games* readers may be most interested in the bridge, but what about the espionage? After all, this is not a serious book and just about everything is exaggerated or distorted beyond reality. If you like straight intrigue stories, then you may be a bit put off by the liberties Quinn takes with his genre. But if it suits you to read an amusing story, to be teased by occasional nonsense, and to view some interesting bridge play, you'll enjoy this novel. —Jeff Rubens, co-editor of *The Bridge World*



---

**Balance of Power** from Hasbro, around \$10.

---

The word for this game is suspense. Two players race their pieces across a series of parallel balance beams, the goal being to tilt any five of the nine beams in one's own direction.

Each player enters nine pieces, one at a time, according to the roll of a die. Once entered, pieces are moved up one beam and down the next. The simple mechanical principle behind the game is that the farther away a piece is from the pivot point, the more "weight" it has. Thus, a single piece placed on one end of a beam can effectively counterbalance two pieces on the opponent's inner positions.

As pieces are entered, there are more choices to consider



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**The Playboy Winner's Guide To Board Games** by Jon Freeman (Playboy Press, 1979, 286 pages, paperback, \$2.50).

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Obviously a game cannot be judged by its box any better than a book by its cover. And yet, most shoppers have little else to go on when browsing through a game department; they cannot be sure of what's inside a game box until they tear off the shrink-wrapping.

This book changes all that, and does much more. Updating *A Player's Guide To Table Games*, a 1975 title by the same author, most of this book is a compendium of detailed reviews of over 100 games you are likely to see on the shelves, arranged according to general category (Family Games, Word Games, War Games, etc.). Besides giving a good description of the rules to each game, many of the reviews offer useful tips on strategy, suggestions on how to improve certain games by amending the rules slightly, and comparisons with similar games that a reader might find even more suitable to his tastes. Freeman (author of "Dungeons & Dragons" in our September/October 1979 issue) is a game player of great expertise and broad experience. Happily, he is also an entertaining writer who is well able to pass on his specialized knowledge to the average player in a way that is clear and easy to understand.

Whether your game is Monopoly, Master Mind, Diplomacy, or Panzerblitz, you are almost certain to find an eye-opening section devoted to your favorite. But beware: you will probably learn about so many new games that you won't have time for your old favorite anyway.

—R.W.S.

and the balance becomes more delicate. Moving a piece onto an empty beam will tilt it in your favor, but it will also disturb the balance of the vacated beam—perhaps enough to tilt it toward your opponent.

—B.D.K.

---

**Passport Game Series** from Invicta, around \$2.50 each.

---

If you like to play games while you travel, one of the classics from Invicta's "Passport" series might be just what you're looking for. Roughly the size and shape of a long wallet, the games are made of adhesive vinyl. The pieces cling to the board well enough so that if your plane lands in the middle of a game, you can simply close the board—with instruction sheet between the halves—and put it in your pocket until you're ready to continue playing.

At present there are eight packages available: Chess & Checkers; Shogi (the Japanese chess variant in which captured pieces join the enemy's camp); Go (with a 13 x 13 board instead of the official 19 x 19); Backgammon; Chinese Checkers; Dominoes (a double six set); Reversi (the predecessor of Othello); and Invicta's own Master Mind.

Concise instructions are given in a number of languages, but players will need additional sources for learning how to play the more complex games.

—S.S.

---

**Big Boggle** from Parker Brothers, around \$10.

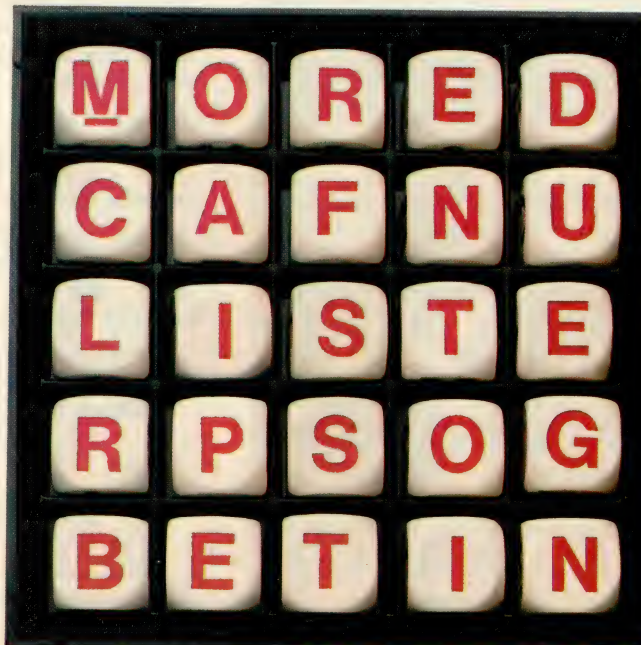
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On the heels of the successful word game Boggle, Parker Brothers has built an even better mousetrap: Big Boggle. The 5 x 5 matrix of letter cubes in the new version yields more words and longer words than the original 4 x 4 grid. From the arrangement shown here, for example, we've compiled a list of 100 words all having five or more letters. A few of the more interesting ones are *caisson*, *ingenue*, and *unfairest*. How many such words can you find?

Remember: Words can be spelled in any direction as long as consecutive letters are adjacent—vertically, horizontally, or even diagonally. But you may *not* use the same letter twice in one word unless the letters are found on two different cubes.

*Answer Drawer, page 72*

—P.M.W.



Photos by Stan Felleman



# Sherlock Holmes' Secret Passion: Retrograde Analysis

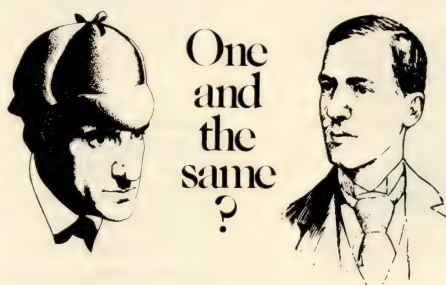
Scholars have failed to uncover any hard evidence that Sherlock Holmes played chess. Yet it is difficult to believe that the great sleuth could have been unfamiliar with a game that would have so challenged his fabled powers of deduction.

Several clues scattered throughout his tales indicate that the resident of 221B Baker Street was in fact a chess player. In *The Adventure of the Illustrious Client*, he proclaims: "I must plan some fresh opening move, for this gambit won't work." And in describing a suspect in *The Adventure of the Retired Colourman*, he remarks: "Amberley excelled at chess—one mark, Watson, of a scheming mind."

A dim view of the game indeed. No matter. Chess buffs continue to claim Holmes as one of their own, and every so often a new piece of chess fiction casts him at a chessboard. In a recent article, "The Hoax of His Career" (*The Chess Atlas*, July 1979), Thomas Hailey maintains that the master of disguise assumed the alias Harry Nelson Pillsbury—the unknown but sensational 22-year-old genius who clobbered the world's leading masters in his debut at the Hastings tournament of 1895, and who later set a world record by playing 22 blindfold games simultaneously.

Thus, between 1891 and 1894, after

Holmes was presumed to have perished in a plunge over the Reichenbach Falls, the detective did not become a patient of Dr. Freud, as that silly novel and film *The Seven Per Cent Solution* would have us believe. Of course not. He was busy studying chess, preparing for Hastings. There can scarcely be any doubt about it. For did not Pillsbury have a prodigious memory, a prominent nose, hol-



Sherlock Holmes

Harry Nelson Pillsbury

lowed cheekbones, and piercing eyes? (See illustration.) But alas, theorizes Mr. Hailey, chess was not enough for Holmes' analytical mind; and so in 1906, having wearied of the game, "he killed off Pillsbury with a fake death and eventually retired from the detection arena to bee-raising in Sussex."

Still more light has been shed on the famed detective's chess habits by a recently discovered manuscript buried in

Dr. Watson's papers. In *The Chess Mysteries of Sherlock Holmes* (Alfred A. Knopf, 1979), Raymond Smullyan reveals that, along with the violin and cocaine, Holmes harbored a secret passion for chess problems in retrograde analysis. And why not? In *The Sign of the Four* the master himself says, "Give me problems!" We now know he meant *chess* problems.

## Retrograde Analysis

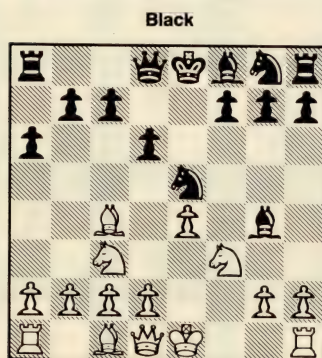
Unlike conventional chess puzzles, retrograde analysis problems are "studies in pure deductive reasoning" that "might be said to lie on the borderline between logic and chess," observes Mr. Smullyan. Problem C below, his manuscript tells us, was composed by Holmes' archnemesis, the evil genius Professor Moriarty. Neither the white king nor queen has moved during the last five moves, nor has any piece been captured during that time. What was the last move? (Note that you are not told whose move it is, but you do know that every move made in the game was legal.) Had Holmes failed to solve this problem, he would have fallen prey to a diabolical scheme of Moriarty's and lost his life even before he met Dr. Watson.

*Grandmaster Evans, a three-time national champion and member of eight U.S. Olympic teams, is a noted author and chess columnist. He was Bobby Fischer's tutor in preparation for the 1972 title match.*

## PROBLEMS

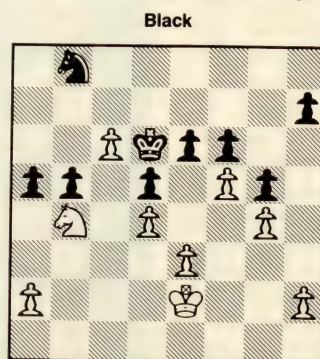
Answer Drawer, page 72

**EASY:** Pillsbury—Fernandez, Havana 1900



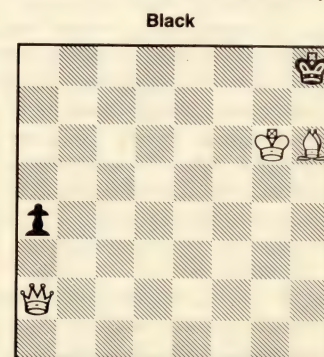
**White**  
A. White to play and win.

**MEDIUM:** Pillsbury—Gunsberg, Hastings 1895



**White**  
B. White to play and win.

**HARD:** Composed by "Prof. Moriarty"



**White**  
C. See text for explanation.



## Backgammon ★★

### A Classic Cube Position

by Prince Joli Kansil



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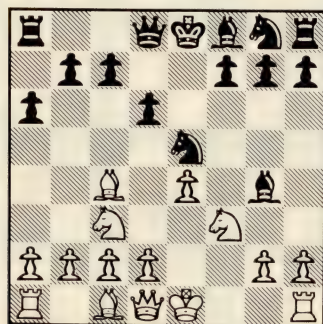
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Thus, between 1891 and 1894, after

**EASY:** Pillsbury—Fernandez, Havana 1900

Black



White

A. White to play and win.

White

B. White to play and win.

White

C. See text for explanation.



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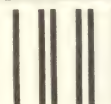
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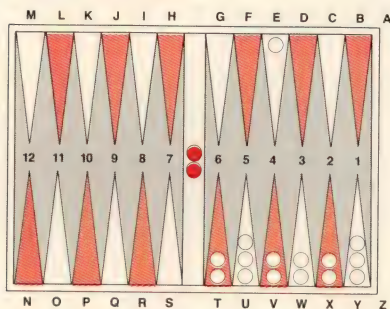


## A Classic Cube Position

by Prince Joli Kansil

Certain end game positions occur quite frequently in backgammon, and when they do come up it is important for players to know how to handle the doubling cube. One such classic situation is shown in the diagram.

Even though Red has borne off 13 men, White seems to have a clear advantage, and he should win the game unless he throws poorly and is forced to leave a shot that Red subsequently hits. Assuming that White owns the doubling cube, should he redouble before taking his next roll?



Despite his commanding position, White should delay in turning the cube. If he throws double six, he will be forced to leave a shot immediately, and there are other awkward sequences of rolls that will yield a shot while bearing in or after the bearing off commences. If White redoubles prematurely and leaves a shot that is hit, Red will himself redouble, forcing White to drop a very costly game.

White should delay redoubling for several rolls. After he has cleared his 6-point and positioned his remaining men in such a way that no roll can force him to leave a shot on his next turn, he will be able to make a sound redouble.

### PROBLEMS

- 1 In the diagram, how should White play a roll of double five?
- 2 Imagine that Red's position is as shown in the diagram, but White has borne off seven men and has his last ten men positioned two on each of his lowest five points (U, V, W, X, Y). Should White redouble? Should Red take?

Answer Drawer, page 72

Prince Joli Kansil, top-ranking backgammon player in Hawaii, is the inventor of Marrakesh, a new board game based on backgammon. He is the author of The Backgammon Quiz Book published by Playboy Press.



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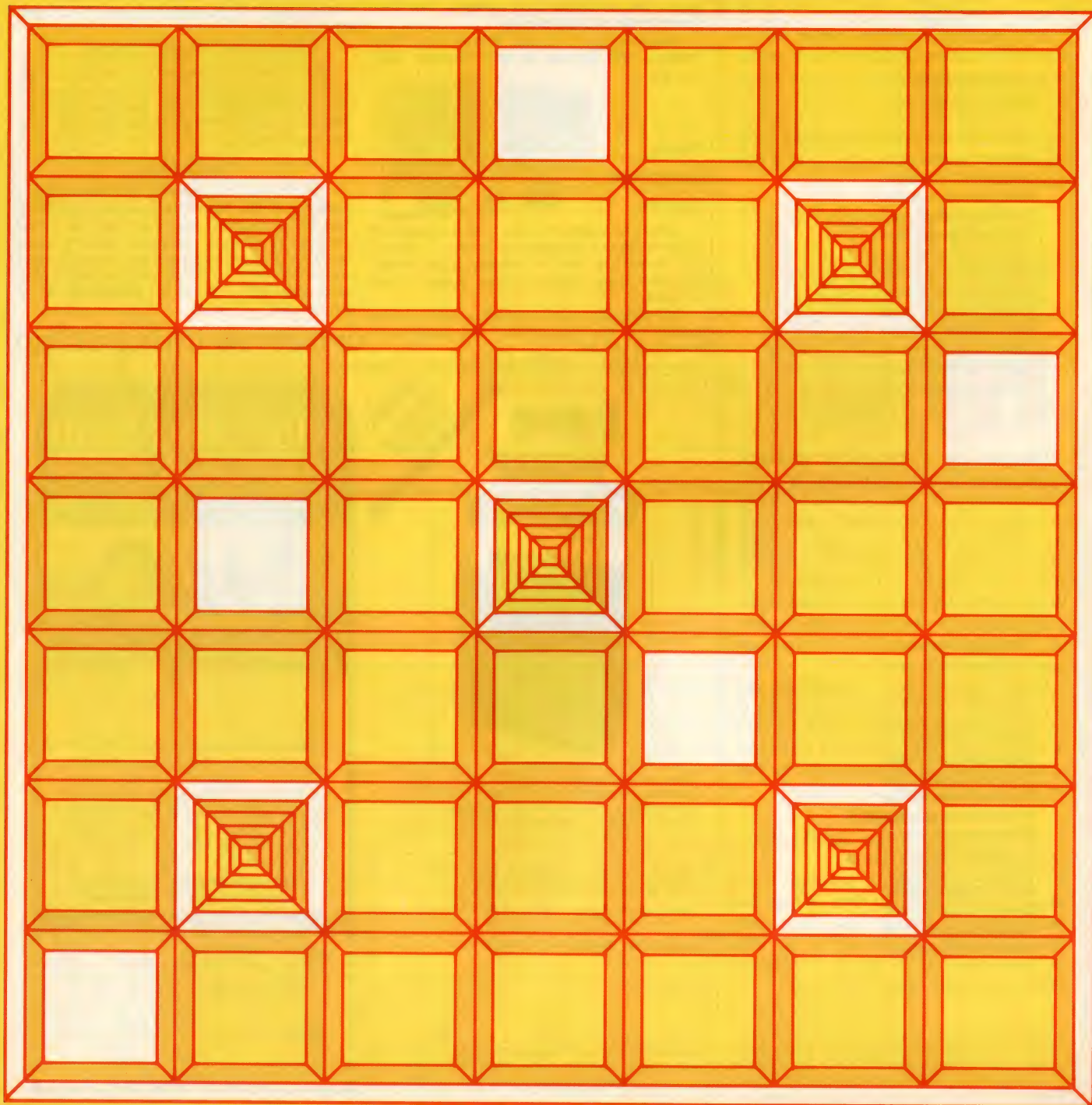
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# QUINK

An Original Game for One or More Players

by Stephen Sniderman



*Stephen Sniderman is an Associate Professor of English at Youngstown State University and a game inventor. For further information on Quink, write: Stephen Sniderman, 2214 Coronado Avenue, Youngstown, Ohio 44504.*



## EQUIPMENT

Gameboard as shown; 25 playing pieces (5 each of 5 different colors), for which M & Ms work well (melt in your mouth, not on the board), or pennies, nickels, and dimes heads up and pennies and nickels tails up.

## OBJECT

To organize the 25 pieces into groups according to color in as few turns as possible.

## STARTING POSITION

Take five pieces, one of each color, and place them on the spaces marked by pyramids; then randomly surround each of these pieces with pieces of the four remaining colors, to produce five "crosses," each made up of the five different colors. This setup will yield nearly a billion different opening positions, one of which is shown in Diagram 1.

## MOVEMENT

On a turn, a player moves any piece as many unoccupied spaces as desired in either a vertical or a horizontal direction. When a piece is moved onto a "Free Space" (a white space), the player may make another move, either with the same piece or with any other piece of the same color. This second move is "free," and the two moves together count as only one turn.

## ENDING THE GAME

The game is over when all 25 pieces have been arranged into five groups according to color. The five pieces in each group must be connected adjacently, in a chain, which could take the shape of a straight line, a "T," an "L," a cross, or any other unbroken pattern. Pieces that touch only diagonally are not considered to be connected to the chain. Diagram 2 shows a possible end position.

## SCORING

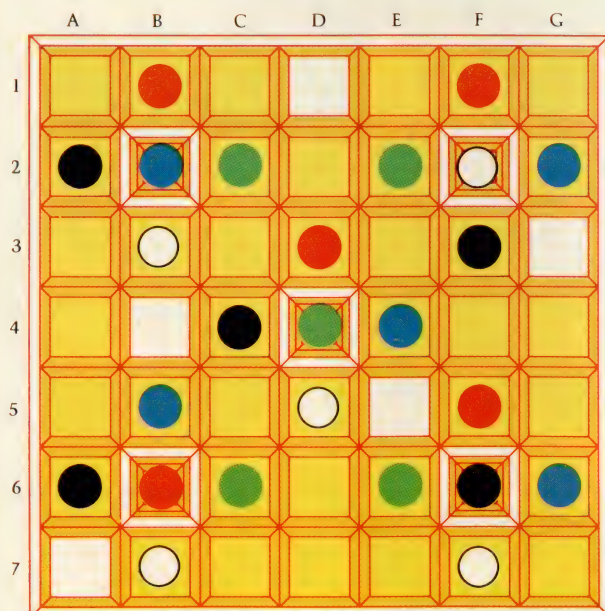
**SOLITAIRE PLAY**—When you play Quink solitaire, score as follows: less than 30 turns is respectable, less than 27 exceptional, and less than 24 incredible.

**COMPETITIVE PLAY**—Any number of players can try, one at a time, to solve the same opening setup. The winner is the player who takes the fewest number of turns to group all the pieces by color.

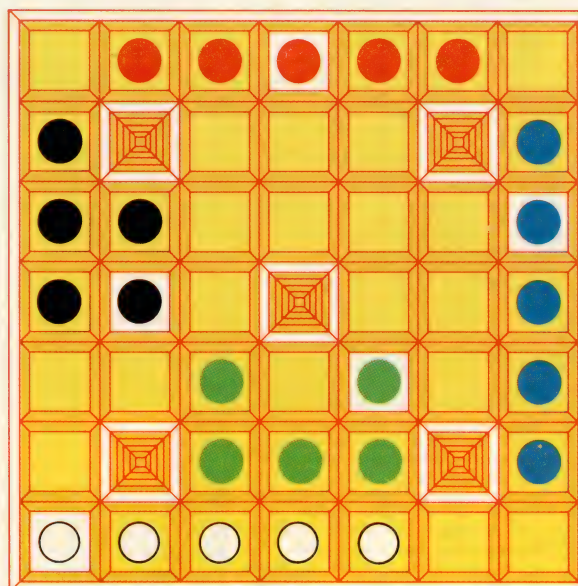
For two players, a good competitive version involves each player setting up an opening position for the other to solve, with the thought of making it as difficult as possible. Again, the winner is the player who takes the fewest number of turns.

The game has endless variations. For example, each of two to five players can take turns being an impeder, who moves pieces of only one color in an attempt to delay the other players in grouping the remaining colors. The impeder's score is the number of turns taken by the opponents, and the game ends after each player has been the impeder once.

## THE PUZZLE ★★



**Diagram 1** From this opening setup, group the pieces together by color in as few turns as you can; one of the possible end positions is shown in Diagram 2. See Answer Drawer, page 72, for our best solution.



**Diagram 2** An end position.





# FOOD FOR THOUGHT

by Steven Caney

Here are 13 foods unceremoniously stripped to their bare essentials.  
Can you determine the mystery eats from these  
close-ups of their labels? (Brand names not required.)

Answer Drawer, page 69

1  
**INGREDIENTS:** WHEAT BRAN WITH OTHER PARTS OF WHEAT, RAISINS, SUGAR, SALT, MALT FLAVORING, PARTIALLY HYDROGENATED VEGETABLE OIL (ONE OR MORE OF: COTTONSEED, COCONUT, SOYBEAN AND PALM), INVERT SYRUP, VITAMIN A PALMITATE, REDUCED IRON, ZINC OXIDE, NIACINAMIDE, PYRIDOXINE HYDROCHLORIDE (B<sub>6</sub>), THIAMIN HYDROCHLORIDE (B<sub>1</sub>), RIBOFLAVIN (B<sub>2</sub>), FOLIC ACID, VITAMIN B<sub>12</sub>, AND VITAMIN D<sub>2</sub>.

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4  
**CARBONATED WATER, SUGAR, CARAMEL COLOR, PHOSPHORIC ACID, NATURAL FLAVORINGS, CAFFEINE.**

5  
**INGREDIENTS:** CHICKEN STOCK, CARROTS, CHICKEN, POTATOES, TOMATOES, ENRICHED EGG NOODLES, PEAS, CELERY, SALT, POTATO STARCH, WATER, CHICKEN FAT, GREEN BEANS, MONOSODIUM GLUTAMATE, YEAST EXTRACT AND NATURAL FLAVORING.

6  
**MADE FROM RED RIPE TOMATOES, DISTILLED VINEGAR, CORN SWEETENER, SALT, ONION POWDER, SPICE, NATURAL FLAVORING.**

7  
**INGREDIENTS:** Sugar, enriched wheat flour (contains niacin, reduced iron, thiamine mononitrate [vitamin B<sub>1</sub>], riboflavin [vitamin B<sub>2</sub>]), vegetable and/or animal shortening (lard and/or partially hydrogenated soybean oil and/or palm oil), cocoa (processed with alkali), corn sweetener, corn flour, whey, cornstarch, chocolate, sodium bicarbonate, salt, artificial flavor and lecithin.

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CONTAINS SUGAR AND CORN SWEETENERS, WATER, CONCENTRATED LEMON JUICE, LEMON PULP, LEMON OIL, KEEP FROZEN.

9  
**INGREDIENTS:** STRAWBERRIES, SUGAR, CORN SYRUP, CREAM CHEESE, BAKERS CHEESE, NEUTRALIZED CHEESE, FRESH WHOLE EGGS, FRESH WHOLE MILK, ENRICHED FLOUR (WITH NIACIN, IRON, THIAMINE MONONITRATE, RIBOFLAVIN), PARTIALLY HYDROGENATED VEGETABLE SHORTENING (SOYBEAN, PALM AND COTTONSEED OILS), GRAHAM FLOUR, SKIM MILK, MODIFIED FOOD STARCH, SALT, BUNNY PROPYLENE GLYCOL ALGINATE, XANTHAN GUM, LEMON JUICE, BAKING POWDER, SODIUM ACID PYROPHOSPHATE, BAKING SODA, CORN STARCH, MONOCALCIUM PHOSPHATE, CALCIUM SULFATE, NATURAL FLAVORS, VANILLA (COCOA BEAN GUM, BAKING SODA, CINNAMON, ASCORBIC ACID, CALCIUM CARBONATE, MONO- AND DIGLYCERIDES).

10  
**Ingredients:** Flour, water, low moisture mozzarella cheese, Italian sausage (pork, water, salt with BHA, BHT, and citric acid added to help protect flavor, corn syrup solids, paprika and spices), tomato paste, soybean oil, salt, green peppers, yeast, corn oil, sugar, food starch—modified, romano cheese (made from cow's milk), spices, leavening (sodium aluminum phosphate, sodium bicarbonate), calcium propionate added to retard spoilage of crust, ascorbic acid, sodium metabisulfite (a dough conditioner), garlic powder.

11  
**INGREDIENTS:** Corn; soybean oil, partially hydrogenated; and salt.

12  
**INGREDIENTS:** BEEF, WATER, SALT, SPICE, PAPRIKA, FLAVORINGS, GARLIC POWDER, SODIUM ERYTHROBATE, SODIUM NITRATE.

13  
COLUMBUS, OH 43215 ©1968, 1974  
**CONTAINS:** SUGAR, CORN SYRUP, POPCORN, PEANUTS, MOLASSES, VEGETABLE OIL (CORN OIL), SALT AND SOYALECITHIN.

Steven Caney, author of Toybook and Kids' America, makes an outstanding submarine sandwich.



# Genius Offspring



"Its successor, the new Chess Challenger-7, is infinitely more powerful!"

—S. Samole  
President, Fidelity Electronics

**JUST RELEASED  
VOICE CHALLENGER**

Chess Challenger-10 did more than win the Penrod Memorial Microchess Tournament, it literally trounced all opponents. Personal Computing Magazine, February, 1979, reports, "Chess Challenger-10 emerged as the easy victor with ten wins, two draws and no losses."

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There were no amateurs in the championship playoff. Every contender bore the brand of a well-known electronic chess game, and each was accompanied by its entourage of coaches, programmers, and engineers. After each contestant had played all of the opponents in round robin fashion, the brilliant Challenger-10, stood far ahead of its second place runner-up.

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Unknown to the other companies, the undefeated tournament leader was being retired after the contest. Taking its place was a far more powerful chess computer, the Challenger "7." This new micro-computer had already beaten the official undefeated champ during a series of pre-tournament warm-up games at the factory. Its engineers explain that it is simply 14 months ahead in technology, in finer algorithm sophistication and in its superb performance.

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Within its seven different levels of play, you can enjoy every degree of chess competition, from beginner to tournament skill. Its total flexibility lets you change games mid-stream or switch sides with the computer to see how it would handle your dilemma. You can add pieces to your side or take away the computer's Queen. It is a superb teacher!

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## It Knows Every Rule in the Book

The Challenger "7" will permit you to castle or perform an En Passant capture or do so itself, if that is its best move. When your pawn has reached the eighth rank, it will be automatically raised to a Queen, unless you tell the computer to promote it to another piece. It will take on any player and sharpen his skills considerably...but it won't permit illegal moves.

At Level 1, its average response time is 5 seconds. At Tournament Level 7, the Challenger makes championship decisions in just 3 minutes.

## Unbeatable in Price As Well As Play

Best of all, the Chess Challenger "7" is just \$89.95 complete with chessmen and UL approved 110V AC adaptor.

All pieces are magnetized, to stay where you place them on the permanent metal board. The set is mounted in a simulated wood-grained housing which measures 12 1/2" x 8" x 1". Bright, one-half inch tall LED electronic digits, provide unmistakably clear readout.

## Final Results

Reprinted Courtesy of Personal Computing, February, 1979, P. 66. (Darker lines ours.)

CONTESTANTS	OPPONENTS									Games Won	Lost	Drawn	FINAL SCORE	FINAL POS	FINAL
	1	2	3	4	5	6	7	8	9						
1 MICRO-CHESS 1.0 (Heath H-8)	W	X	1/2	0	1	0	0	0		1	3	8	2 1/2	7*	
	B		1/2	1	0	0	0	0							
2 MICRO-CHESS 1.5 (TRS-80)	W	1/2	X	1/2	0	0	0	0		0	5	7	2 1/2	6*	
	B	1/2		X	0	0	0	1/2	0						
3 MICRO-CHESS 2.0 (PET)	W	1/2	1	1/2	X	1	0	0	1/2	3	4	5	5	4	
	B	1	1/2	1/2	0	0	0	0							
4 CHESS CHALLENGER (3 Level)	W	1	1	1/2	1	0	1/2	1/2		2	5	5	4 1/2	5	
	B	0	1/2	0	0	0	0	1/2							
5 CHESS CHALLENGER (10 Level)	W	1	1	1	1	1	1	1/2		10	2	0	11	1	
	B	1	1	1	1	1	1	1/2							
6 BORIS	W	1	1/2	1	1	0	0	0		7	2	3	8	3	
	B	1	1	1	1	1/2	0	0							
7 SARGON I (TRS-80)	W	1	1	1	1/2	1/2	1	0		6	5	1	8 1/2	2	
	B	1	1	1	1/2	1/2	0	0							
8 ATARI Did not play	W								X						
	B														

\*Note: Microchess 1.5 wins 6th place over Microchess 1.0 by virtue of the tie-breaking analysis of relative strength of opponents

## A MAJOR ADVANCE

### VOICE CHESS

Brand new from Fidelity—the granddaddy of them all. VOICE CHALLENGER. It may look something like the "7," but it's a great deal more. Increased microprocessor brain offers all of the 7's ability plus three additional levels beyond the seven: *Excellent* (6 minutes), *Expert* (11 minutes) and *Infinite* (from 5 seconds to days). But, you needn't wait days. You can command this level to move at any time. So many readers have asked for *maximum skill*. This is it.

Most incredible, it *TALKS*. In addition to its display, an electronic miracle of voice synthesis permits this phenomenal Challenger to speak. It's not a tape, but a computer-created voice distinctively announces each move it makes. It verbalizes your moves, too. It has a vocabulary of over 50 words which will also suggest a move for you if you take too long.

If the Voice Challenger is about to set up a mate-in-two offense, it will flash, "Mate-in-Two." From here on, you'd better be a whiz to avoid defeat. This set (same size as "7") comes in a black enameled hardwood cabinet. Hand-carved Staunton pieces in tan and black are magnetized to stay put. The unit is complete with a durable ABS carrying case.

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G03 \_\_\_\_\_ ©Camelot '79

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## CALL OUR BLUFF ★

# HOW SHARP ARE YOUR POWERS OF (TAX) DEDUCTION

by Jeremy Piltdown

Will Rogers once said that our income tax system has made more liars out of the American people than golf has. Even when you file your return in good conscience, you don't know if you're a crook or a martyr.

Can you figure out which of the following deductions have actually been allowed (or would be allowed)\* by Uncle Sam and which are nothing but wishful thinking?

Answer Drawer, page 72

Form <b>1040</b>		Department of the Treasury — Internal Revenue Service		<b>1979</b>		or Fiscal Year Ended . . . . . 1980	
U.S. Individual Income Tax Return							
First name and initial (if joint or combined return, enter both)						Your social security number	
						Spouse's social security number	
						Your occupation	
						YES	NO
<p>▶ <b>1.</b> Parents are allowed to deduct any interest payments made on loans from their minor children.</p>							
▶ <b>2.</b>		YES	A woman who played the role of a fat lady in the circus and had to overeat to keep up her weight was allowed to deduct the cost of her food.				
		NO					
▶ <b>3.</b>		YES	Loss from damage to the exterior paint of a house, which was caused by a severe smog containing an unusual concentration of chemical fumes, constituted a casualty loss for tax purposes.				
		NO					
▶ <b>4.</b> Embezzled funds are taxed to the embezzler in the year of their acquisition and are deductible in the year of their return.						YES	NO
▶ <b>5.</b>		YES	Money lost in a con game known as the "Spanish swindle" was deductible because the loss had occurred in Mexico, where local law defined the activity as theft.				
		NO					
▶ <b>6.</b>		YES	Although the cost of personal grooming (such as a haircut) is not deductible as a business expense, an airline pilot successfully deducted the cost of his shoeshines, which the court regarded as part of the upkeep of his uniform.				
		NO					
▶ <b>7.</b> A truck driver was allowed to deduct the cost of coffee and Benzedrine while on duty, as the stimulants were deemed necessary to the performance of his job.						YES	
						NO	
▶ <b>8.</b> Ordinarily, it is impossible to justify the cost of cigars as a tax deduction. But the full cost of giveaway cigars was deducted by a businessman who was able to establish that he was a nonsmoker.						YES	NO
▶ <b>9.</b> The owner of a cat famous for its television commercials was allowed to deduct the cost of the cat's limousine.						YES	NO
						▶ <b>10.</b>	YES
							NO
						For telling the Internal Revenue Service about someone who has cheated on their income tax, the squealer receives ten percent of whatever the government recovers.	

\*The legitimate deductions are adapted from the book *Take It Off!* by Robert S. Holzman, published by T.Y. Crowell Publishers.

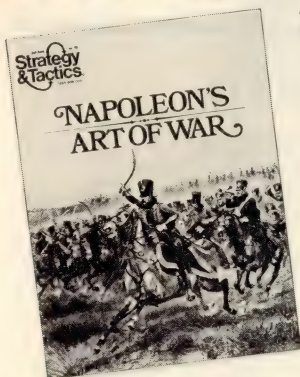


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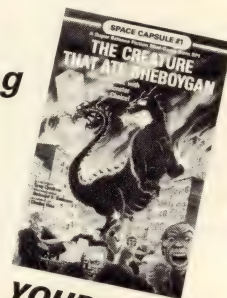
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## CONTEST RESULTS

# Tongue Twisters and Calculatrvivia II

from November/December 1979

## Things That Go Bump in Your Mouth

What do Chubby Checker and the judges of this contest have in common? They each twisted the night away—in our case, reading thousands of tongue twisters. Now, after finishing this oral obstacle course, we're finally loose enough to level praise where it's due (including to that contestant who created a tongue twister for every letter of the alphabet) and to mouth off at those who committed such egregious sins as coining words or stringing words together without sense, for making twisters that read too smoothly (alliterations alone, alas, aren't adequate), and for using old standbys—like the by-now-over-worked woodchuck and Betty Butter's long-since-rancid bitter butter.

Like Shakespeare, the winning tongue twisters should be read aloud for best effect. The Grand Prize goes to Debby Bradley of Upton, California. Her twister, to be engraved on a silver tray, is a sterling effort.

Shep Schwab shopped at Scott's Schnapps Shop;  
One shot of Scott's Schnapps stopped Schwab's watch.

Honorable mention prizes of *Games* T-shirts will be awarded for the following mouthfuls:

Ripe white wheat reapers reap ripe white wheat right. —Joseph D. Csuka, Monroe, CT

Brock Blake's black bike's back brake bracket block broke! —Joe Kennedy, Oxford, OH

Cinnamon Synonym—Christopher Earl, Interlochen, MI

Sue sighs, sees seesaw so sits, seesaws solo, soon sees Cy. Seems Cy's same size so Sue says, "Say, Cy, seize seesaw's sides, sit some." Cy saw Sue seesaw solo, so Cy says seesaw seems safe. Seesaw seat seems Cy's size so Cy sits, seesaws some. Soon Cy sighs, says Sue seesaws so-so. Sue ceases seesaw, sets sail, sinks Cy. Cy sobs, seems seat's sore. Soon Cy sees seesaw severed seat's seam. So Cy seeks Sue since seems Sue sews seams. Sue saves Cy's seat, sews simple seam. Sewn seam suits Sue. Cy sees Sue's simple seam, sighs, says seems Sue sews seams so-so. Sue seethes, seizes Cy, socks same. Cy sues. Sue sighs. —Raymond D. Love, Tucson, AZ —G.R.

## Great Moons O' Jupiter

The 13,000 entries we received made this our third most popular contest ever, proving that a large number of our readers are masochists. Despite the tremendous effort required to solve some of the more difficult questions, roughly a quarter of the entries stated the correct value for X. Or rather, one of two "correct values" for X, since one of the questions turned out to be more difficult than even we anticipated—its answer literally unknown.

According to many reference sources, the "number of moons of Jupiter which are larger than the planet Mercury" (question i) is *one*, the moon known as Ganymede. Recent measurements, however, indicate that Callisto, Jupiter's second-largest moon, is much larger than originally thought, and may even be slightly bigger than Mercury. After careful investigation, we concluded that the difference in size between the two is less than the amount of possible error in their measurements. Thus, the correct answer cannot be stated with certainty; and it may even be that both answers are right, depending upon one's interpretation of the word "larger" (does it refer, for example, to maximum diameter, mean diameter, or volume?). Under the circumstances, we accepted either  $i = 1$  or  $i = 2$  as correct, along with the two corresponding values obtained for X. If  $i = 1$ , the correct value for X is  $689 \frac{13797}{120020}$ ; if  $i = 2$ , the correct value for X is  $\frac{13797}{120020} \sqrt{36012002}$ .

Some of the other questions also threw curves, but these were intentional. It was necessary to remember, for example, that one of the crew members "killed" in *Alien* was an android, not a human being; to realize that only half of the 100 squares in a Polish checkers game can legally be played on, since the pieces

move on only one color; and to distinguish ether,  $C_4H_{10}O$ , which anagrams into a number (*three*), from butyl alcohol,  $C_4H_9OH$ , which does not. And *tjuesju*, for those who are still wondering, is the Norwegian word for 27.

The winner, in a random drawing from those entries that were correct, turned out to be Carol Hatsell's eighth and ninth grade algebra classes at Rosemont Junior High, La Crescenta, California. The school will receive first prize of Mattel's INTELLIVISION Intelligent Television, the computer-based family entertainment and information processing system.

Honorable mention prizes of a Casio FX-501P Programmable Memory Calculator go to: Thomas J. Buseck of Erie, PA; David Fogel of La Jolla, CA; Chuck N. Wannall, Jr., of Pasadena, CA; and John R. Wiles of Philadelphia, PA. —R.W.S.

The correct answers:

$\frac{689 \frac{13797}{120020}}{120020}$ (OR $\frac{13797}{120020} \sqrt{36012002}$ )							
x =	147,284	n =	$\pi$	A =	185	$\eta$ =	4
a b =	1,621	p =	5	$\alpha$ =	23	$\theta$ =	27
c =	-40	q =	7	B =	0	$\lambda$ =	50
d =	3	r =	102	$\beta$ =	33	$\mu$ =	5
e =	3	s =	144,059,400	$\Gamma$ =	13	$\xi$ =	2
f =	-140	t =	361	$\gamma$ =	1,752	$\sigma$ =	4
g h =	850	u =	11	$\Delta$ =	8	$\tau$ =	9
h =	14	v =	3	$\delta$ =	31	$\phi$ =	15
i =	1 (or 2)	w =	$\frac{3}{16}$	$\epsilon$ =	7	$\psi$ =	23
j =	18	y =	10	$\zeta$ =	5	$\Omega$ =	17
k =	245	z =	221	H =	6	$\omega$ =	3
m =	13						



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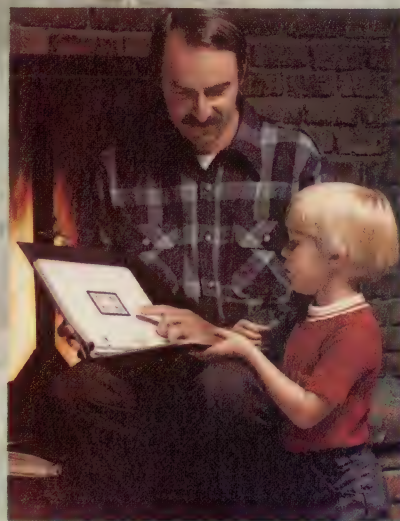
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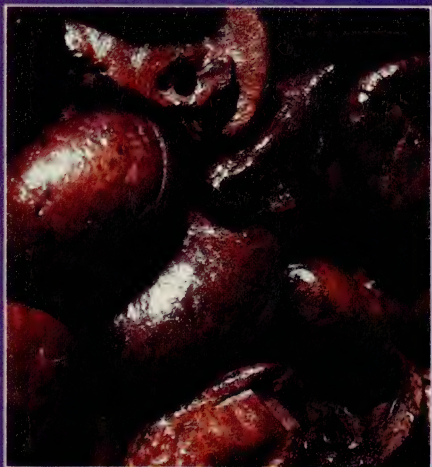




1. Fast break



4. For the runner



6. Morning glory



8. Eyeful



2. Good point

**E  
Y E  
B A L L  
B E N D E R S**

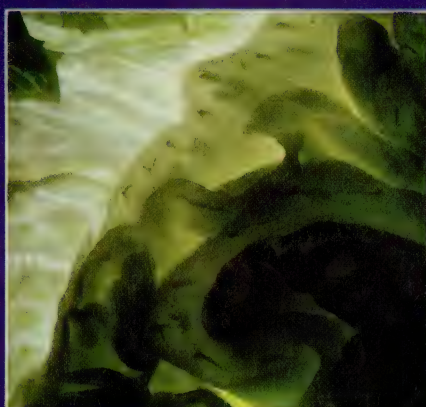
WHAT ARE THESE OBJECTS?

SEE THE ANSWER DRAWER ON PAGE 72.

☆☆



9. Borderline case



3. Comes up heads



5. Seedy characters



7. Entirely suitable



10. Burnt offerings

Photos by Steve Smith



# Introducing the Bose® 550 Receiver.

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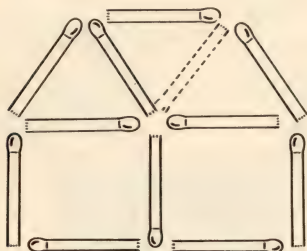


# ANSWER DRAWER

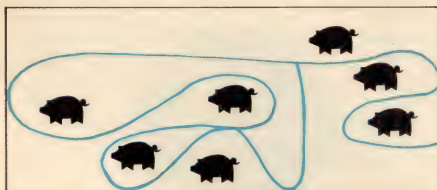


## Page 16 Tough Ones

1. One, as shown:



2. One: "Misspelled."  
3. One.  
4. One; the ship would rise with the tide.  
5. One: A Susan B. Anthony dollar coin.  
6. One, if it curves and crosses itself.



7. One: If you look closely at the divorcee's belt, you will notice that the bottom ring (the fifth, counting from the left), is not really linked through another ring, but is held in position by the rings to the right and to the left. With a jeweler's saw, the divorcee can cut the fourth ring from the left, thus freeing the fifth link.

She now has two single links, one chain of three linked rings, and one chain of six linked rings. On the first day she gives one single ring. On the second day she gives the other single. On the third day she gives the three linked rings and gets the two singles in change, and so on. On the eleventh day, all the links have been paid.

8. Juan (!) Basic clues: From clue 1 we know that (A) Pedro is not the guitarist, (B) Pedro is not afraid of heights, and (C) the guitarist is not afraid of heights. From clue 2 we know (D) Pepe is not the sax player, (E) Pepe does not fear cats, and (F) the sax player does not fear cats. From clue 3 we know (G) the drummer does not fear the number 13, and (H) the drummer does not fear heights.

Inferences from basic clues: From C and H we know that (I) the sax player fears heights. From D and I we infer (J) Pepe does not fear heights. From B and J we deduce (K) Juan fears heights. And from I and K we conclude (L) Juan plays the saxophone.

The full matchings work out as follows:

	FEARS					
	Sax	Guitar	Drums	Heights	Cats	13
Pedro	X	X	O	X	O	X
Pepe	X	O	X	X	X	O
Juan	O	X	X	O	X	X
Heights	O	X	X			
Cats	X	X	O			
13	X	O	X			

## 11 Wheel of Fortune

The answers to the puzzles in the article: "Pumpernickel Bread" and "Half a Loaf is Better Than None."

### You're the Contestant

- I'm Always Chasing Rainbows
- Straight as an Arrow
- Jason Robards
- Old Faithful
- Cherry Blossom Festival

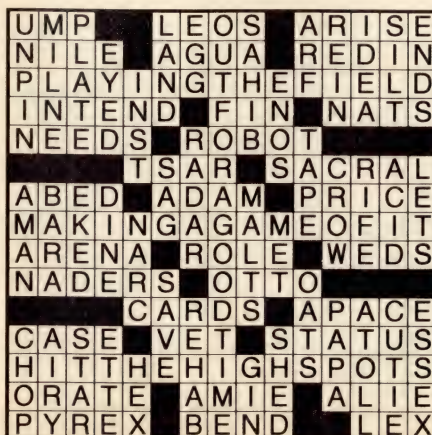
## 60 Food for Thought

- Kellogg's Raisin Bran
- Häagen-Dazs Chocolate Ice Cream
- A-1 Sauce
- Coca-Cola
- Campbell's Chicken Noodle Soup
- Heinz Tomato Ketchup
- Oreos
- Minute Maid Lemonade
- Sara Lee Strawberry Cream Cheese Cake
- Celeste frozen Pizza
- Doritos Tortilla Chips (Plain)
- Hebrew National Frankfurters
- Cracker Jacks

## 25 The Spiral



## 27 Having a Wonderful Time ...



## 26 Digititis

### Puzzle 1

$$\begin{array}{r} 1319 \\ 81 \overline{) 106839} \\ \underline{81} \phantom{00} \\ 258 \phantom{00} \\ \underline{243} \phantom{00} \\ 153 \phantom{00} \\ \underline{81} \phantom{00} \\ 729 \phantom{00} \\ \underline{729} \phantom{00} \\ 0 \end{array}$$

### Puzzle 2

$$\begin{array}{r} 318.75 \\ 32 \overline{) 10200} \\ \underline{96} \phantom{00} \\ 60 \phantom{00} \\ \underline{32} \phantom{00} \\ 280 \phantom{00} \\ \underline{256} \phantom{00} \\ 240 \phantom{00} \\ \underline{224} \phantom{00} \\ 160 \phantom{00} \\ \underline{160} \phantom{00} \\ 0 \end{array}$$

### Puzzle 3

$$\begin{array}{r} 100104.003 \\ 999 \overline{) 100003899} \\ \underline{999} \phantom{000} \\ 1038 \phantom{000} \\ \underline{999} \phantom{000} \\ 3999 \phantom{000} \\ \underline{3996} \phantom{000} \\ 3000 \phantom{000} \\ \underline{2997} \phantom{000} \\ 3 \end{array}$$

### Puzzle 4

$$\begin{array}{r} 16107.08 \\ 75 \overline{) 1208031} \\ \underline{75} \phantom{000} \\ 458 \phantom{000} \\ \underline{450} \phantom{000} \\ 80 \phantom{000} \\ \underline{75} \phantom{000} \\ 531 \phantom{000} \\ \underline{525} \phantom{000} \\ 600 \phantom{000} \\ \underline{600} \phantom{000} \\ 0 \end{array}$$

## 27 Gold Nuggets

- Golden Gate Bridge
- Golda Meir
- Goldilocks
- Heart of gold
- Goldenrod
- Goldie Hawn
- The Gold Rush
- Good as Gold
- Golden opportunity
- Barry Goldwater
- Golden Gloves
- Fool's gold
- Golden retriever
- Rheingold
- Golden Fleece
- Marigold
- (Samuel) Goldwyn
- Golden rule

## 28 Locker Room Cleanup Word List

- BOWLING
- FENCING
- ICE HOCKEY
- SKIING
- VOLLEYBALL
- ARCHERY
- FOOTBALL
- BOXING
- SURFING
- CROQUET
- TABLE TENNIS
- SOCCER
- BASEBALL
- LACROSSE
- BILLIARDS
- BASKETBALL
- BADMINTON
- JAI ALAI
- ROLLER-SKATING
- WEIGHTLIFTING



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PRESENT  
LABEL  
HERE

NEW ADDRESS:

NAME

ADDRESS

CITY

STATE

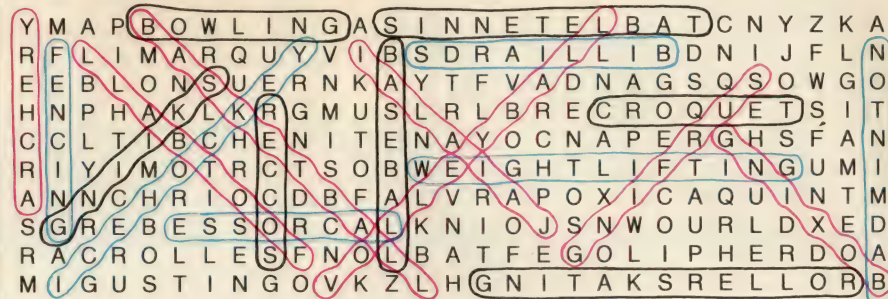
ZIP

MAIL TO:

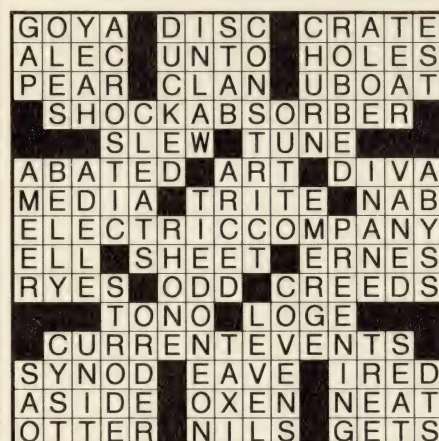
**GAMES**

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### 28 Locker Room Cleanup



### 29 Power Play



### 30 Dszquphsbnt!

1. VISUAL EXPERIMENT. Do you want to see how you look when you are asleep? Stand in front of a mirror with your eyes shut.
2. LIVING UP TO EXPECTATIONS. Treat people as if they were what they ought to be and you help them to become what they are capable of being. Goethe
3. BRITISH SPORT. English students play a game of handball called "fives," played by two or four players in a court enclosed on three sides.
4. BOTTOMS DOWN. Both Mozart and Beethoven composed music to be played on musical glasses, graded in size or containing varying quantities of water.
5. ELECTRONIC MARVEL. Computers are fantastic. In a few minutes they can make a mistake so great that it would take many men many months to equal it.
6. CHOICES. Liberty is being free from the things we don't like in order to be slaves to the things we do like. Ernest Benn
7. BLAME THE JONESES. It is really the neighbors' fault that we can't save money. They are always buying something we can't afford.
8. SCHOOL OF HARD KNOCKS. Experience is the only teacher any of us ever had who hands out the test first and explains the lesson later.

### 32 Book Returns

1. Without its jacket
2. Burned
3. Dog-eared
4. Bent
5. With several additional copies
6. Without its spine
7. Marked up
8. Divided in two (but getting it back at all was a problem)

### 29 TV Digest

1. *Twilight Zone*
2. *Quincy*
3. *Green Acres*
4. *I Dream of Jeannie*
5. *Love Boat*
6. *Hawaii Five-O*
7. *Lou Grant*
8. *Mr. Ed*
9. *The Untouchables*
10. *Sha Na Na*
11. *Taxi*
12. *I Love Lucy*
13. *McMillan and Wife*
14. *Candid Camera*
15. *F Troop*
16. *Hee Haw*
17. *The FBI*
18. *Vega\$*

### 32 At the Scene of the Crime

1. 5:45
2. Saturday, the only day the produce store was open after 5:00
3. Jane's
4. Bates Ave.
5. Two
6. Yes
7. Three
8. No
9. Eight
10. V.L.
11. A falling potted plant
12. Woman
13. Crawfordtown Produce
14. Myrtle St.
15. Grapes
16. F472
17. It was parked in a 4-6 P.M. "No Parking Zone"
18. Left rear tire
19. Her purse was being picked
20. No
21. b and e

**Scoring:** Count one point for each correct answer to questions #1-20, and two points for each correct identification in #21.

### Ratings:

- 20 and up: Lieutenant Columbo  
16-19: Old Hawk-Eyes  
10-15: Sharp Observer  
5-9: Inspector Clouseau  
1-4: Amnesiac

### 44 Double Cross

- |                |                |
|----------------|----------------|
| A. WHEELED     | N. HUFFY       |
| B. OBJECTIVE   | O. OVERWORKED  |
| C. OUTSTANDING | P. UMBRAGE     |
| D. DANDELION   | Q. TATARS      |
| E. YTTERBIUM   | R. FORTHRIGHT  |
| F. AFFLICTION  | S. EQUANIMITY  |
| G. LANDLUBBER  | T. ANHYDROUS   |
| H. LEGGINGS    | U. TOAD        |
| I. EMPHYSEMA   | V. HYPHENATED  |
| J. NIGHTMARISH | W. END PRODUCT |
| K. WEATHER EYE | X. REDCOAT     |
| L. INQUISITION | Y. SCREECH     |
| M. TOE-DANCED  |                |

I have decided to break off my engagement. She doesn't understand my writing, and said last night that my *Critique of Metaphysical Reality* reminded her of *Airport*. We quarreled, and she brought up the subject of children again, but I convinced her they would be too young.

—Woody Allen, *Without Feathers*



## 6 Letters

**Precocious or Preposterous?** It took me considerably longer to figure this out than the fifteen minutes it took my son to originate the material. The trick lay in the fact that the letters on his blocks were printed in such a manner that an upside-down "n" looks like a "u," and an upside-down "p" like a "d," which helped considerably.

### BLOCK 1

a  
e  
u  
v  
t  
l

### BLOCK 2

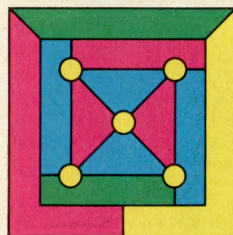
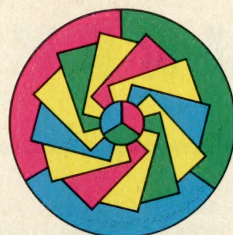
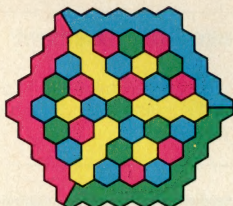
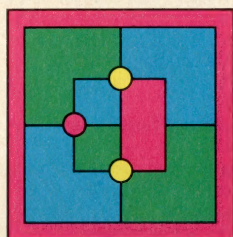
j  
f  
m  
p  
g  
o

### BLOCK 3

n  
b  
r  
y  
s  
c

## 42 Borderline Insanity

Our solutions are shown below. Incidentally, the five-color design we discovered during coffee break was drawn on a doughnut.



## 45 The Anagram Game

- |             |             |            |
|-------------|-------------|------------|
| A. CASINO   | J. JACKS    | S. WHIST   |
| B. BRIDGE   | K. CHECKERS | T. LOTTO   |
| C. PINOCHLE | L. GOLF     | U. EUCHRE  |
| D. RIDDLES  | M. MARBLES  | V. KNAVES  |
| E. POKER    | N. TENNIS   | W. BOWLING |
| F. FARO     | O. DOMINOES | X. BOXING  |
| G. RUGBY    | P. CRAPS    | Y. HOCKEY  |
| H. HEARTS   | Q. CROQUET  | Z. MAZES   |
| I. SKIING   | R. LACROSSE |            |

## 43 Cryptic Warmup Puzzle

### ACROSS

- 1 SOLID. *Anagram* clue. The word IDOLS anagrammed ("false") makes SOLID ("having three dimensions").
- 4 CACHE. *Homophone* clue. CACHE ("place to hide") sounds the same as CASH ("money"). The homophone is indicated by the words "they say."
- 5 SODAS. *Concealed word* clue. SODAS ("soft drinks") is concealed in "also DASHes." The concealment is indicated by the word "carrying."

### DOWN

- 1 SOCKS. *Second definition* clue. SOCKS means "boxes" as a verb and "stockings" as a noun.
- 2 LACED. *Reversal* clue. LACED ("frilly") is DECAL read backwards. The words "put up" indicate that DECAL is to be spelled upwards.
- 3 DRESS. *Charade* clue. DRESS ("clothing") is DR ("doctor") plus ESS ("S").

## 43 Cryptic Crossword

### ACROSS

- 1 Insane (Annie's)
- 4 Brunette (Bette + run)
- 10 Trounce (counter)
- 11 Cyclone (cycle + on)
- 12 Idealistic (cities laid)
- 13 Beat (be at)
- 15 Iotas (10 + sat)
- 16 Astroturf (four start)
- 18 New Mexico (once we mix)
- 22 Forgo (for + go)
- 24 Lyre (liar)
- 25 Precaution (unoperatic)
- 27 Compose (com + pose)
- 28 Red tape (tapered)
- 29 Lingerie (linger + i.e.)
- 30 Adders (dreads)

### DOWN

- 1 Intuition (in tuition)
- 2 Slowest (s + lowest)
- 3 Nonplussed (two meanings)
- 5 Receipt (reseat)
- 6 Nice (two meanings)
- 7 Thoreau (author + e, and literally so: the *whole* clue read one way forms the wordplay on the answer, and read a different way is a literal definition of the answer!—"penned" is used in the two senses "wrote" and "enclosed")
- 8 Elect (thE LECTure)
- 9 Geisha (his age)
- 14 Confounded (con + founded)
- 17 Flounders (two meanings)
- 19 Workman (mark won)
- 20 Israeli (laser + li; "Begin" as in Menachem)
- 21 Oscars (across)
- 23 Ruinate (I eat run)
- 24 Local (lo-cal)
- 26 Rope (euROPEan)

## 47 Moving Day

MORGAN RADIX CULMS GRIM  
AMERCE EMOTE ELLIOT ARISE  
CASEHARDENED PACKAGEDEALS  
ONICE OWNER THREES NOBLES  
NINO ASIDE THEIRS STRESS  
SPANS GARBO MAINS  
OBSCURE CASEINPOINT PUB  
GRANARY ASTA RUNTY SATE  
REGALE MAPPED GOTTO PARTE  
AGAPE BODIES CANDY SITTER  
DONS TAROT JINGO TOPIARY  
END WRAPAROUNDS DECERNS  
BONTEST ERICH AERATED  
SARONGS PUNCHINGBAG PAP  
REGORGE CANOE ELUTE BANT  
ENGINE MOTET OSWEGO LARGE  
ROADS CEDED INLAYS MASCOT  
URGE CLEAN NEAR PRIVIERA  
NAE HITSTHESACK PATELLA  
PRAMS ALECK PETER  
SOLUTE DEPART PINTS ARAM  
ATLAST SUNLIT MECCA TRAGT  
SYDNEY CARTON JACKINTHEBOX  
PLIES LAURIE ATALL ARCANE  
SEES ARMED GENES BOATER

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## 48 On the Other Hand

1. Left-handed
2. Right-handed (the shutter button is on the right)
3. Left-handed (the screw turns counterclockwise)
4. Left-handed (the stem is on the left side)
5. Right-handed (the thumb groove is on the right so the blade would be opened away from the body)
6. Left-handed (since the mitt fits the right hand, it would be worn by someone who throws with the left hand)
7. Left-handed
8. Left-handed
9. Right-handed (the cutting edge is situated so the knife must be held in the right hand)
10. Left-handed
11. Left-handed

The Left Hand's catalogue is available for \$1, applicable toward any purchase. Write The Left Hand, 140 West 22nd St., New York, NY 10011.

## 67 Eyeball Benders

1. Scrambled eggs
2. Ballet shoe
3. Lettuce
4. Kleenex
5. Grapes
6. Coffee beans
7. Deck of cards
8. Potato
9. Surf and sand
10. Full ashtray

## 62 Call Our Bluff

The phonies are #2, #7, and #9.

## 56 Chess

A. 1.Nf3xe5! Bg4xd1 (if 1. ... d6xe5, 2.Qd1xg4; if 1. ... Qd8-h4+; 2.g2-g3, and White remains a piece ahead); 2.Bc4xf7+, Ke8-e7; 3.Nc3-d5 mate. An old trap. One of 12 simultaneous blindfold games.

B. 1.f5xe6! Nb8xc6 (if 1. ... a5xb4; 2.e6-e7, Kd6xe7; 3.c6-c7, queening next move); 2.Nb4xc6, Kd6xc6; 3.e3-e4! d5xe4; 4.d4-d5+, Kc6-d6; 5.Ke2-e3, b5-b4; 6.Ke3xe4, a5-a4; 7.Ke4-d4, h7-h5; 8.g4xh5, a4-a3; 9.Kd4-c4, f6-f5; 10.h5-h6, f5-f4; 11.h6-h7, Black resigns.

C. The last move was Bg5-h6. Since the black pawn cannot account for more than three of Black's moves, and since no pieces have been captured, the black king must have moved. Since neither the white king nor queen has moved in the past five turns, however, the black king could only have moved from g8 to h8 while something was blocking check on the diagonal a2-g8. The blocking piece could only have been the white bishop, which must have been a pawn at the time. Since the pawn had to promote to the bishop on a dark square, it could not have stood at c4 or e6; and since b3 is too far from promotion and a pawn on f7 would attack g8, the pawn must have stood at d5.

Take away the white bishop, and put a white pawn on d5. Move the black pawn back to a2 and the black king over to g8. This was the position five moves ago. The following sequence—and no other—led to the diagram: 1.d5-d6+, Kg8-h8; 2.d6-d7, a7-a6 (without this move, Black would be stalemated); 3.d7-d8=B (underpromotion—you don't have to make a queen), a6-a5; 4.Bd8-g5, a5-a4; 5.Bg5-h6. Elementary, my dear Watson!

## 57 Backgammon

1 E—Y (a dash indicates that a man moves more than the amount on one die). White should move his back man the full 20 pips instead of playing E—T UZ, because it is safer to have an odd man on the 5-point than on the 6-point.

2 Yes, White should redouble. His position, which will only become awkward if he throws a single one, is just too "clean" for Red to consider taking.

## 52 Who Am I?

(Clockwise from upper left):  
 DRAQLA: Bela Lugosi, Jr.  
 SAY HEY: Willie Mays  
 A1ANA2: Lawrence Welk  
 MR COOL: Lyle Waggoner  
 ALKA: Bill Seltzer (Tired of puns on his name, Mr. Seltzer tops them all.)  
 ON-DE-WAY: Melanie Mayron, rising star of *Girl Friends*  
 BORG 9: Ernest Borgnine  
 KILLER: Flip Wilson  
 YYYYYY: Arnold Wise  
 DARNOC: William Conrad  
 88 KEYS: Liberace  
 BEGET: Frederick Hanson, obstetrician  
 DRUNKY: Dean Martin  
 EX-GUV: Edmund "Pat" Brown  
 IBALLS: Brent Madill, optometrist  
 REDUCE: Jack LaLanne  
 WALTZ: Walter Matthau  
 ACAR4U: Rolan Martin, car dealer  
 WHISKY: Jack Daniels (Related to the liquor industry only by his license plates.)  
 JOONIE: June Allison

## 54 Games & Books

**Big Boggle** acorns, afire, aspic, aspires, asset, assign, besot, besting, briar, caisson, caliper, cared, carom, caste, cists, clamored, clasp, classing, clips, coral, cored, cornets, cornfed, cornu, dents, derail, duets, egoist, egotist, étude, fared, fastener, feral, ferns, fires, fission, fisting, focal, forensic, frail, gender, gents, gnosis, goiter, gossip, ingenue, ingots, lasts, lifer, lisper, listener, listing, lists, mason, masse, massif, massing, moralise, moralist, nuder, oared, oasis, often, peril, pesos, pests, picas, pilafs, piston, press, prestige, presto, prison, rafts, raisin, raising, rasper, refires, replica, resign, resin, resting, ripest, rising, roast, sepia, serial, singe, sires, spires, sting, stings, stuns, tender, tossing, totes, tuned, unfairest, unfed, under.

## 59 Board Game

(Commas indicate free moves) 1. 6A-3A 2. 3B-4B, 4B-4A 3. 4A-7A, 7F-7C 4. 5D-7D 5. 4C-4A 6. 4D-6D 7. 3D-1D, 1D-1C 8. 5F-5D 9. 5D-1D, 1D-1E 10. 5B-5G 11. 4E-4G 12. 6B-4B, 4B-4D 13. 4D-1D 14. 4G-3G, 2B-4B, 4B-4G 15. 6F-4F 16. 4F-4B, 3F-3B 17. 2F-7F 18. 7F-7E 19. 2E-5E, 2C-5C

## INSTRUCTIONS TO CONTRIBUTORS

- \* Subject and verb always has to agree.
- \* Being bad grammar, the writer will not use dangling participles.
- \* Parallel construction with coordinate conjunctions is not only an aid to clarity but also is the mark of a good writer.
- \* Do not use a foreign term when there is an adequate English *quid pro quo*.
- \* If you must use a foreign term, it is *de rigor* to use it correctly.
- \* It behooves the writer to avoid archaic expressions.
- \* Do not use hyperbole; not one writer in a million can use it effectively.
- \* Avoid clichés like the plague.
- \* Mixed metaphors are a pain in the neck and ought to be thrown out the window.
- \* In scholarly writing, don't use contractions.
- \* A truly good writer is always especially careful to practically eliminate the too-frequent use of adverbs.
- \* Use a comma before nonrestrictive clauses which are a common source of difficulty.
- \* Placing a comma between subject and predicate, is not correct.
- \* Parenthetical words however should be enclosed in commas.
- \* Consult the dictionary frequently to avoid misspelling.

—Reprinted from the *Texas Newsletter for Medical Technology* (Volume 5, Number 9, 1978)

## From January/February Mappit: A Site for Sore Eyes

1. Nevada and California
2. Paraguay
3. Cuba
4. Finland
5. Island of Hawaii
6. France
7. Wisconsin and Lake Michigan
8. Sicily
9. Great Salt Lake
10. Minnesota, Iowa, Missouri, Arkansas, and Louisiana
11. West Virginia
12. Manhattan
13. Gambia
14. Neutral Zone between Iraq and Saudi Arabia
15. Saskatchewan
16. South—West Africa (Namibia)
17. Switzerland
18. Montana
19. Three westernmost counties in Maryland
20. Kansas
21. Cyprus
22. California and Baja California
23. Thailand
24. Sinai
25. North Island of New Zealand
26. Iran
27. Guyana, Surinam, and French Guiana
28. Mainland China
29. Panama
30. Kentucky and Tennessee

## Fake Advertisement

The "Fake Ad" announced in the Table of Contents was for the island of St. Sabatius and appeared on page 40.

# EUREKA

**EUREKA is dedicated to those venturesome spirits who, never settling for a ready answer, have fought their way to a better, more elegant, or more complete solution than one previously given in the Answer Drawer.**

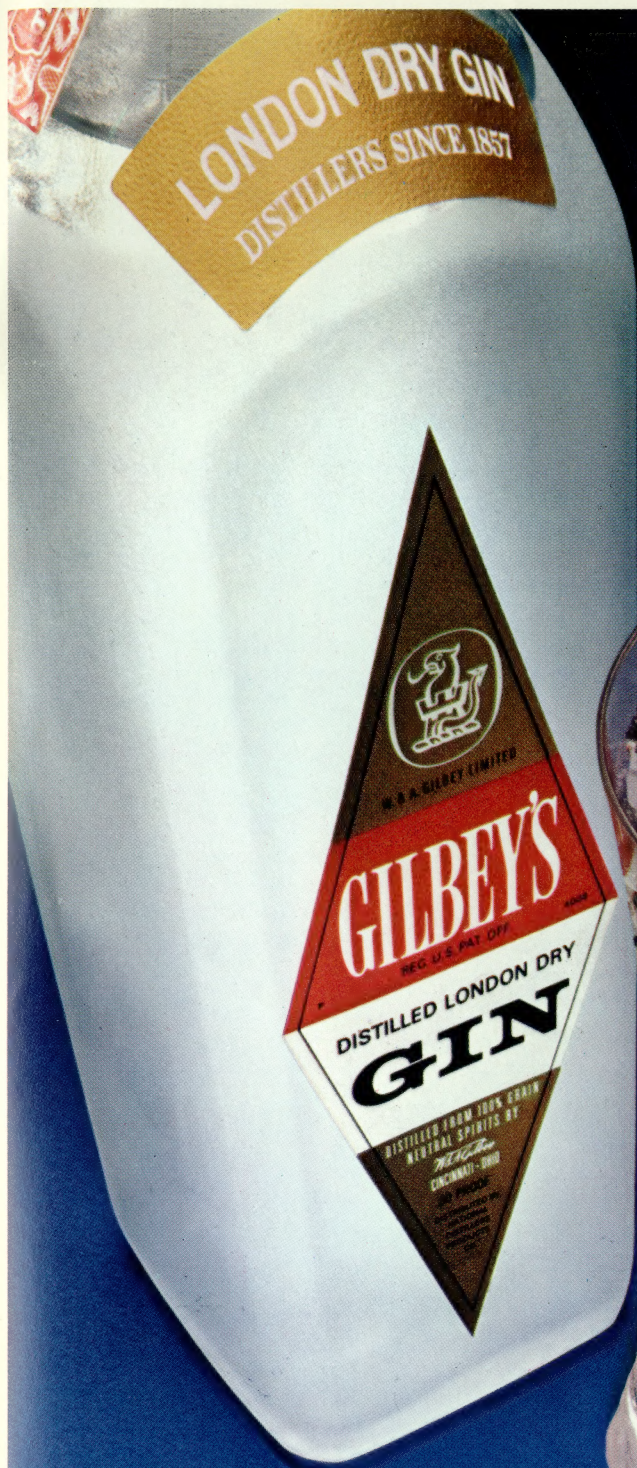
★ **Letters** (November/December, page 6). Larry Pontaski of Ellicottville, NY, has found an alternative solution to Dennis Wade's Wacky Wordy JANOB. Instead of "an inside job," Larry suggests, for boxing fans only, "no inside jab."

★ **Transcendental Party Games** (November/December, page 23). Kyle Corbin of Raleigh, NC, has found some additional "Consonyms": COCA, COCCI (plural of COCCUS), and CUKE for K,K; and STIRRED, STARRED, and STEWARD for S,T,R,D (noting that SATURDAY also works but is a proper noun).

★ **The Devil's Fold** (November/December, page 33). Sandra Stefaniak of Westland, MI, has found another way to fold Figure 1 to spell out "Beelzebub": (1) Fold left column over center. (2) Fold top row under center. (3) Fold bottom row under center. (4) Fold right square over left.



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